

LCD MONITOR

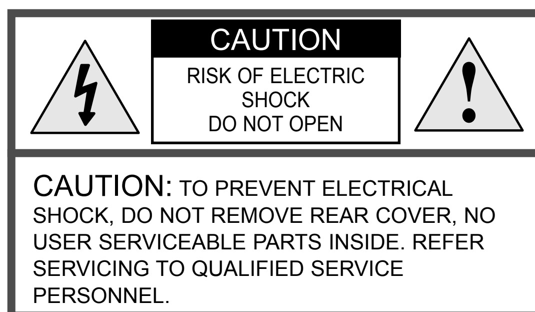
SyncMaster 211MP
SyncMaster 241MP

Owner's Instructions

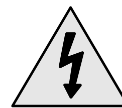
Before operating the unit,
please read this manual thoroughly,
and retain it for future reference.

ON-SCREEN MENUS
PC DISPLAY
PICTURE IN PICTURE (PIP)
PICTURE BY PICTURE (PBP)
TELETEXT

Caution



The lightning flash and arrow head within the triangle is a warning sign alerting you of “dangerous voltage” inside the product.



The exclamation point within the triangle is a warning sign alerting you of important instructions accompanying the product.



WARNING: TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

☛ ***The main voltage is indicated on the rear of your set and the frequency is 50 or 60 Hz.***

Plug and Play

The adoption of the new ***VESA®*** Plug and Play solution eliminates complicated and time consuming setup. It allows you to install your set in a Plug and Play compatible system without the usual hassles and confusion. Your computer system can easily identify and configure itself for use with your set.

Your set automatically tells the computer system its **E**xtended **D**isplay **I**dentification **D**ata (EDID) using **D**isplay **D**ata **C**hannel (DDC) protocols so the computer system can automatically configure itself to use your set. If your PC system needs a monitor driver, install monitor driver contained on the accompanied CD according to the operating system your computer uses. For more information, refer to the driver installation instructions included with your CD package.

PowerSaver

This set is **EPA ENERGY STAR®** compliant and **NUTEK** compliant when used with a computer equipped with **VESA DPMS** functionality. For energy conservation, turn your set Off when you are not using it or when leaving it unattended for long periods.

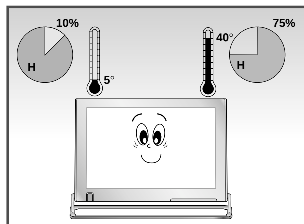
EUROPEAN NOTICE

Products with the CE Marking comply with the EMC Directive (89/336/EEC), (92/31/EEC), (93/68/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms:

- EN55022:1998+A1:2000 – Radio Frequency Interference
- EN55024:1998 – Electromagnetic Immunity
- EN55013:1990+A12:1994+A13:1996+A14:1999 – Radio Frequency Interference
- EN55020:1994+A11:1996+A12/A13/A14:1999 – Electromagnetic Immunity
- EN61000-3-2:1995+A1/A2 :1998 – Power Line Harmonics
- EN61000-3-3:1995 – Voltage Fluctuations
- EN60065:1997 or EN60095:1998 – Product Safety.

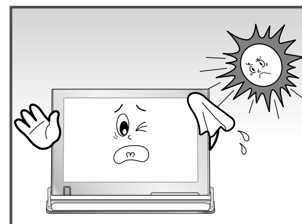
Safety Instructions

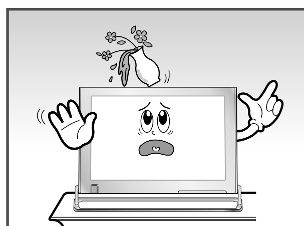
These illustrations represent precautions concerning your TV.



◀ Do NOT expose the TV to extreme temperature conditions or to extreme humidity conditions.

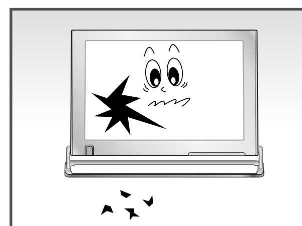
Do NOT expose the TV to direct sunlight. ▶

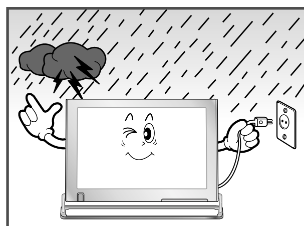




◀ Do NOT expose the TV to any liquids.

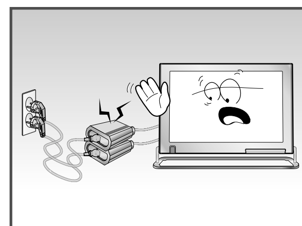
If the TV is broken, do not try to repair it yourself. Contact qualified service personnel. ▶

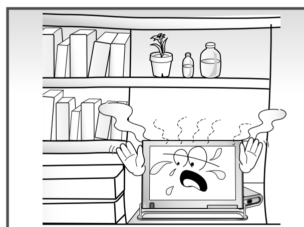




◀ During a storm conditions (especially when there is lightning) unplug the TV from the mains socket and aerial.

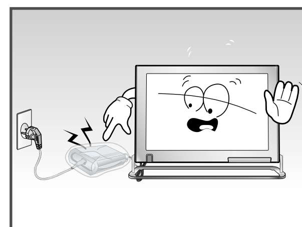
Keep all power adaptors apart. Possible fire hazard. ▶

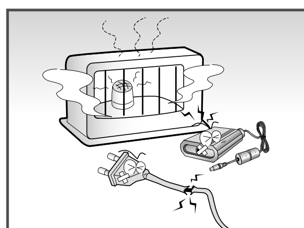




◀ Always keep the power adaptor in a well-ventilated area.

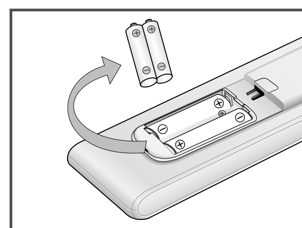
Remove and discard the plastic cover from the power adaptor before use. Possible fire hazard. ▶





◀ Keep the power adaptor away from any other heater. Possible fire hazard.

If the remote control is not used for a long period of time, remove the batteries and store it in a cool, dry place. ▶



THIS DEVICE IS NOT FOR USE IN INDUSTRIAL ENVIRONMENTS

Contents

Contents

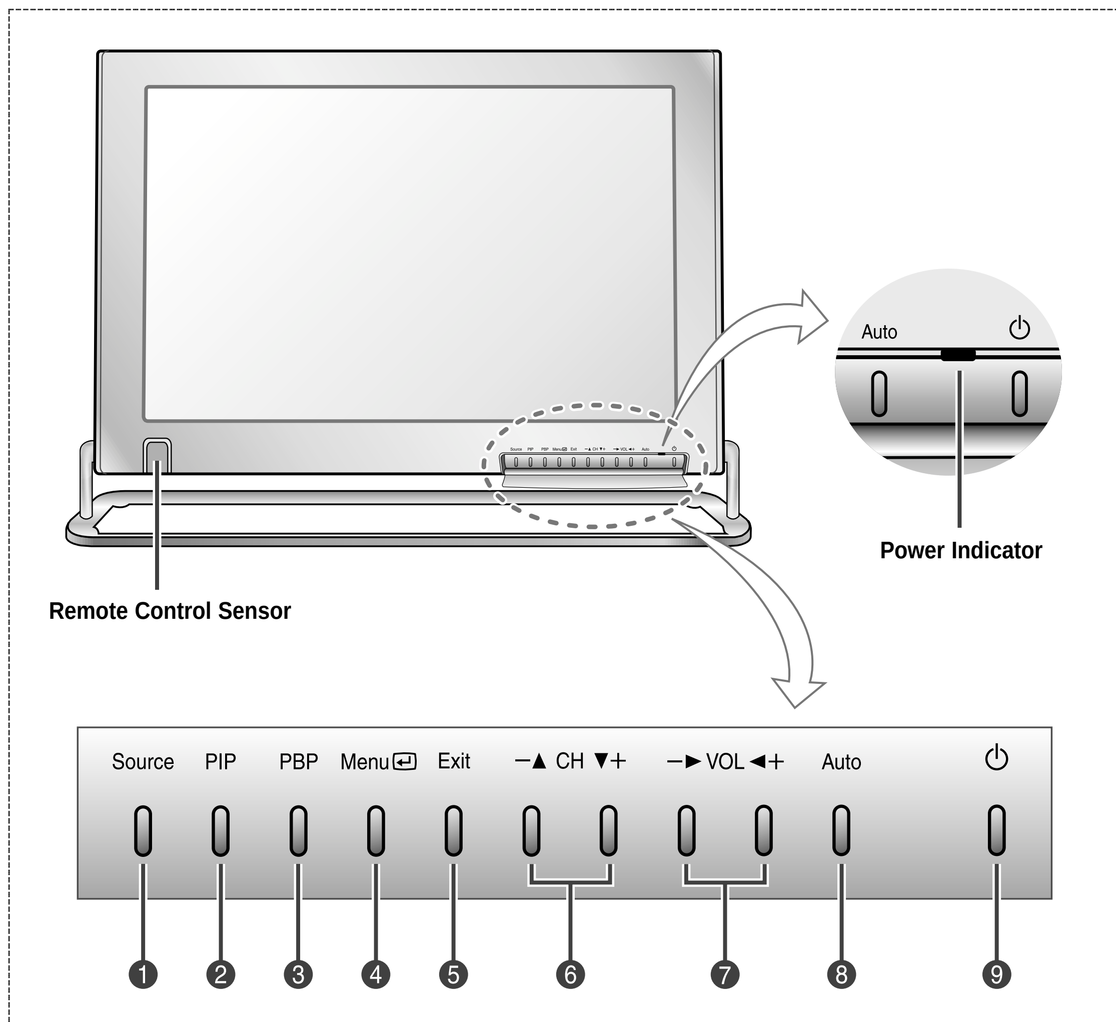
Symbols


Press


Important


Note

Viewing the Control Panel



❶ **Source**
Displays a menu of all of the available input sources (TV/Video/S-Video/DVD/DTV/PC).

❷ **PIP**
Activates PIP (Picture-In-Picture)

❸ **PBP**
Activates PBP (Picture-By-Picture).

❹ **Menu** ↵
Opens the OSD and selects the function.

❺ **Exit**
Exit from the on-screen menu.

❻ **–▲ CH ▼+**
Moves the selector up or down on the OSD.
Increases or decreases the channel number.

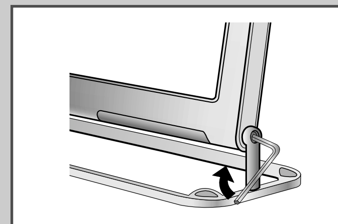
❼ **–► VOL ◄+**
Moves the selector left or right on the OSD.
Increases or decreases the level of audio volume and the values of the selected function.

❽ **Auto**
Allows you experience the quality of displayed picture. The values of fine, coarse and position are adjusted automatically. (It works PC mode only.)

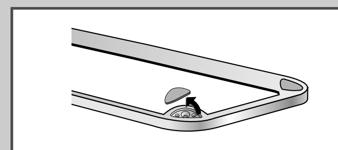
❾ ⏻ (Power)
Turns ON/OFF your set.

Installing on the Wall

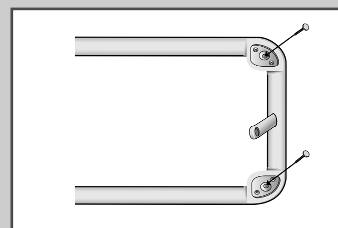
1 ***Removing the Stand***
Using a hexagonal wrench, remove the stand.



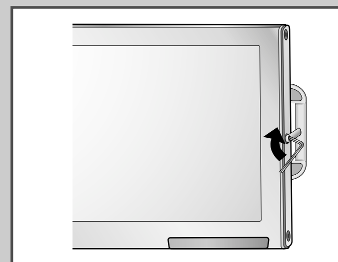
2 ***Removing Rubbers***
Remove the four rubbers from the edges.



3 ***Mounting on the Wall***
Mount the stand on the wall using screws or nails.



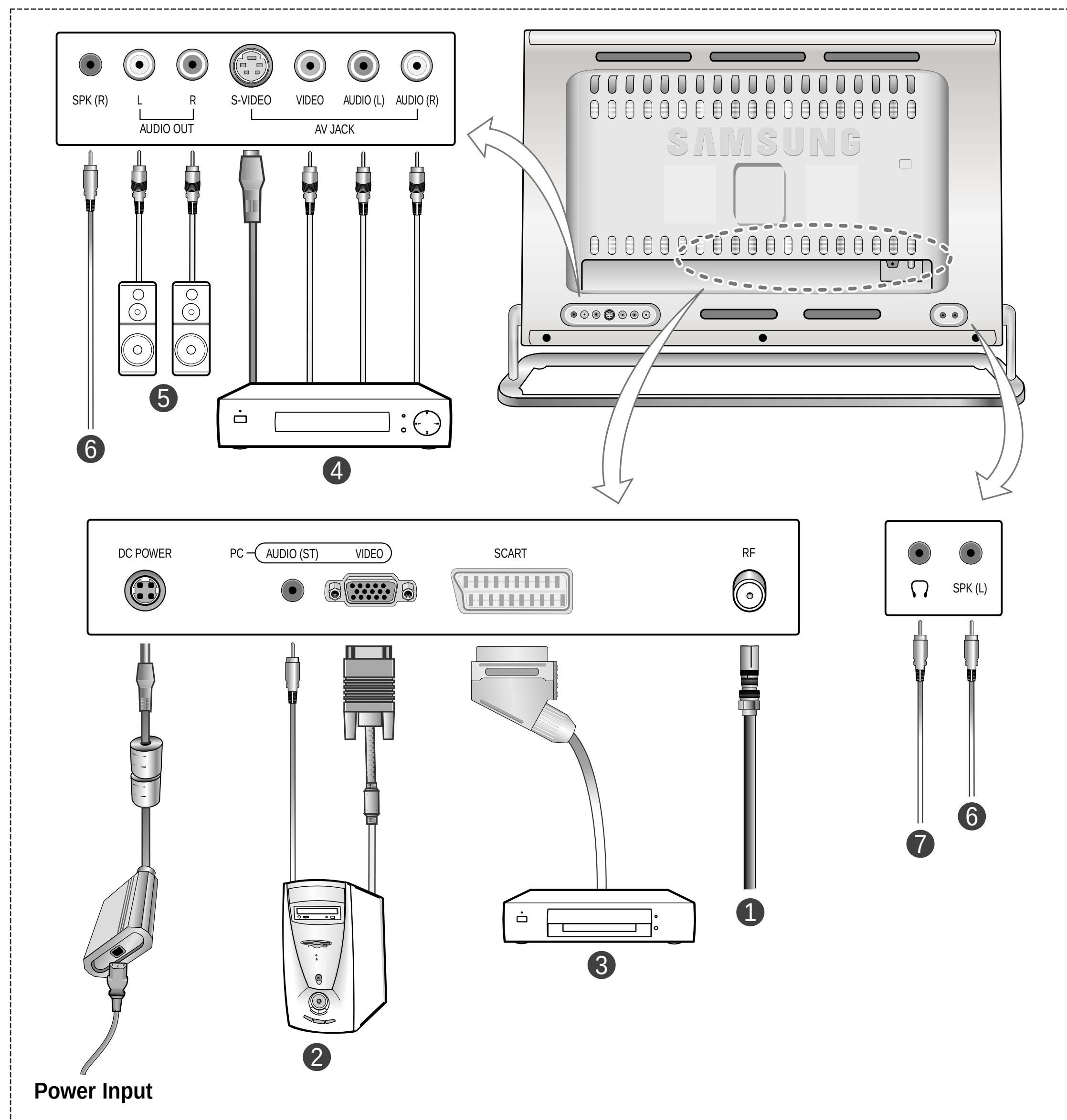
4 ***Fixing the Set***
Using a hexagonal wrench, fix your set into the stand.



 ***Installation Notes***

- Do not install your set on any place other than vertical walls.
- To protect the performance of your set and prevent troubles, avoid the followings:
  – Do not install next to smoke and fire detectors.
  – Do not install in an area subjected to vibration or high voltage.
  – Do not install in the wall.
  – Do not install near or around any heating apparatus.
- Use only recommended parts and components.

Viewing the Connection Panel



Whenever you connect an audio or video system to your set, ensure that all elements are switched off. Refer to the documentation supplied with your equipment for detailed connection instructions and associated safety precautions.

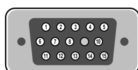
Viewing the Connection Panel (continued)

❶ ***Connecting an Aerial or Cable Television Network*** (depending on the model)
To view television channels correctly, a signal must be received by the set from one of the following sources:
- An outdoor aerial
- A cable television network
- A satellite network

❷ ***Connecting Computer***
- Connect the 15 Pin D-SUB connector to the PC video connector.
- Connect the stereo audio cable to ”Audio (ST)” on the rear of your set and the other end to “Audio Out” of the sound card on your computer.
- If necessary, please install monitor driver contained on the accompanied CD. For more information, refer to the driver installation instructions included with your CD package.

➢ **15 Pin D-SUB connector**

Pin	Separate H/V	Composite H/V	Sync-on-green
1	Red (R)	Red (R)	Red (R)
2	Green (G)	Green (G)	Green (G) + Horizontal/Vertical sync.
3	Blue (B)	Blue (B)	Blue (B)
4	Grounding	Grounding	Grounding
5	Grounding (DDC)	Grounding (DDC)	Grounding (DDC)
6	Red (R) Grounding	Red (R) Grounding	Red (R) Grounding
7	Green (G) Grounding	Green (G) Grounding	Green (G) Grounding
8	Blue (B) Grounding	Blue (B) Grounding	Blue (B) Grounding
9	No connection	No connection	Not used
10	Sync Grounding	Sync Grounding	Sync Grounding
11	Grounding	Grounding	Grounding
12	Data (DDC)	Data (DDC)	Data (DDC)
13	Horizontal sync.	Horizontal/Vertical sync.	Not used
14	Vertical sync.	Not used	Not used
15	Clock (DDC)	Clock (DDC)	Clock (DDC)



Viewing the Connection Panel

❸ *Connecting DTV Set-Top Box, VCR, or DVD*

- Connect the DTV, VCR, or DVD SCART cable to the SCART connector of the DTV, VCR, or DVD.
- If you wish to connect both the DTV Set-Top Box and VCR (or DVD), you should connect the DTV Set-Top Box to the VCR (or DVD) and connect the VCR (or DVD) to your set.

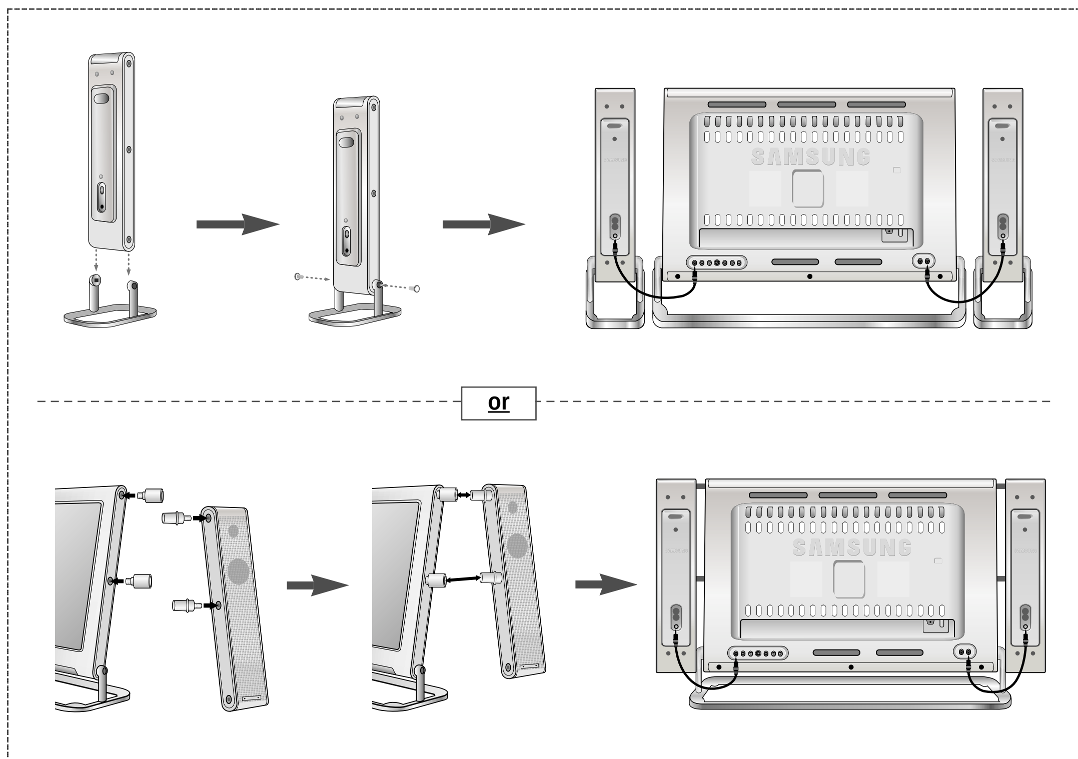
❹ *Connecting External A/V Devices*

- Connect RCA or S-VIDEO cable to an appropriate external A/V device such as VCR, DVD, or Camcorder.
- Connect RCA audio cables to “AUDIO (L)” and “AUDIO (R)” on the rear of your set and the other ends to corresponding audio out connectors on the A/V device.
- Headphone may be connected to the headphone output (❼) on the rear of your set. *While the headphone is connected, the sound from the built-in speakers will be disabled.*

❺ *Connecting External Speakers*

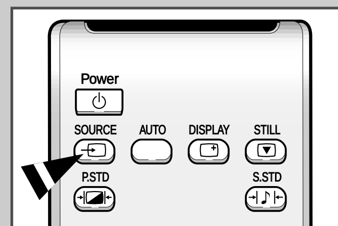
Connect RCA audio cables to amplifier built-in speakers (to take full advantage of the Surround sound effect).

❻ *Connecting Speakers* (depending on the model)



Viewing Pictures From External Sources

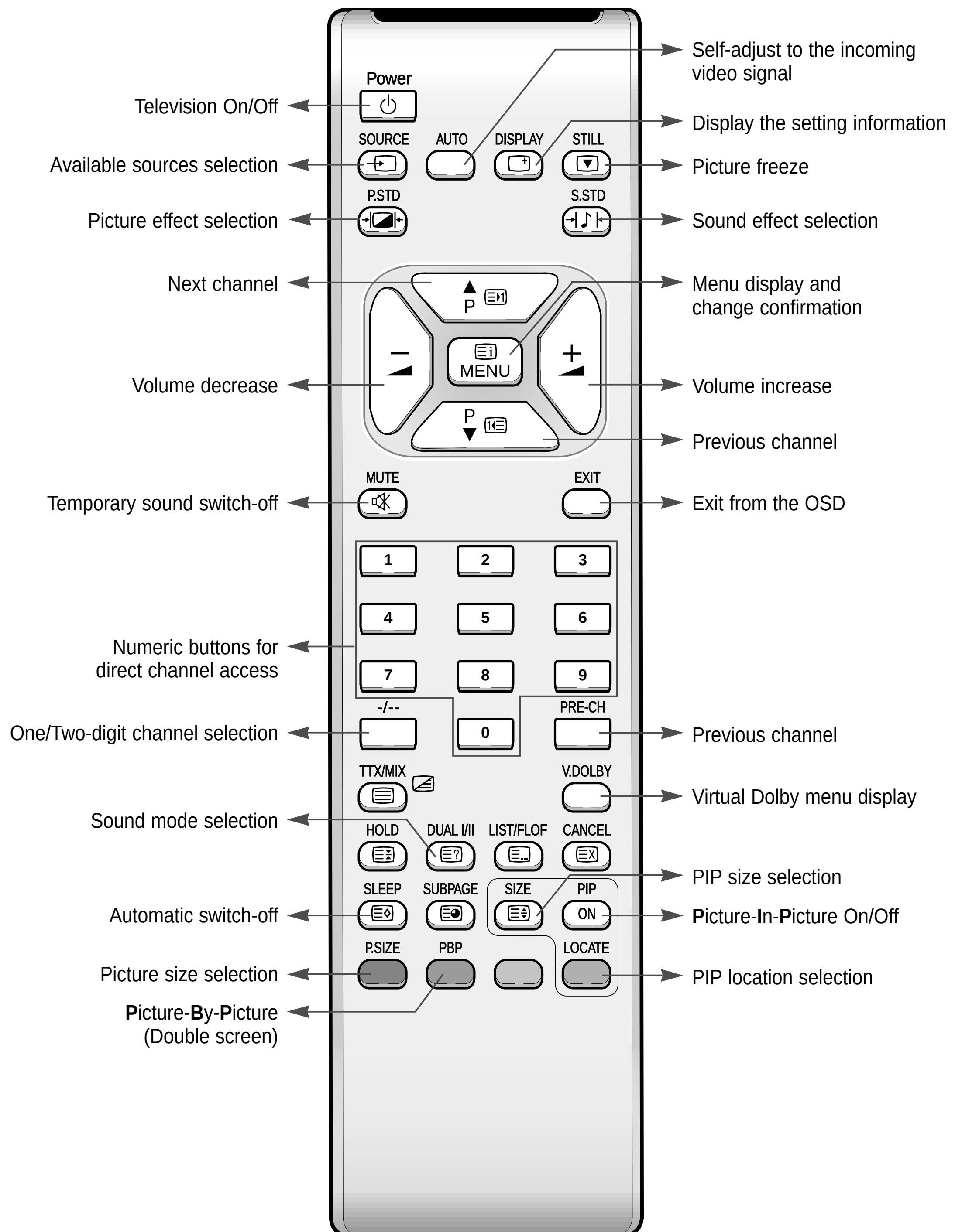
Once you have connected up your various audio and video systems, you can view the different sources by selecting the appropriate input.



1 Check that all the necessary connections have been made (refer to pages 8 and 9 for further details).

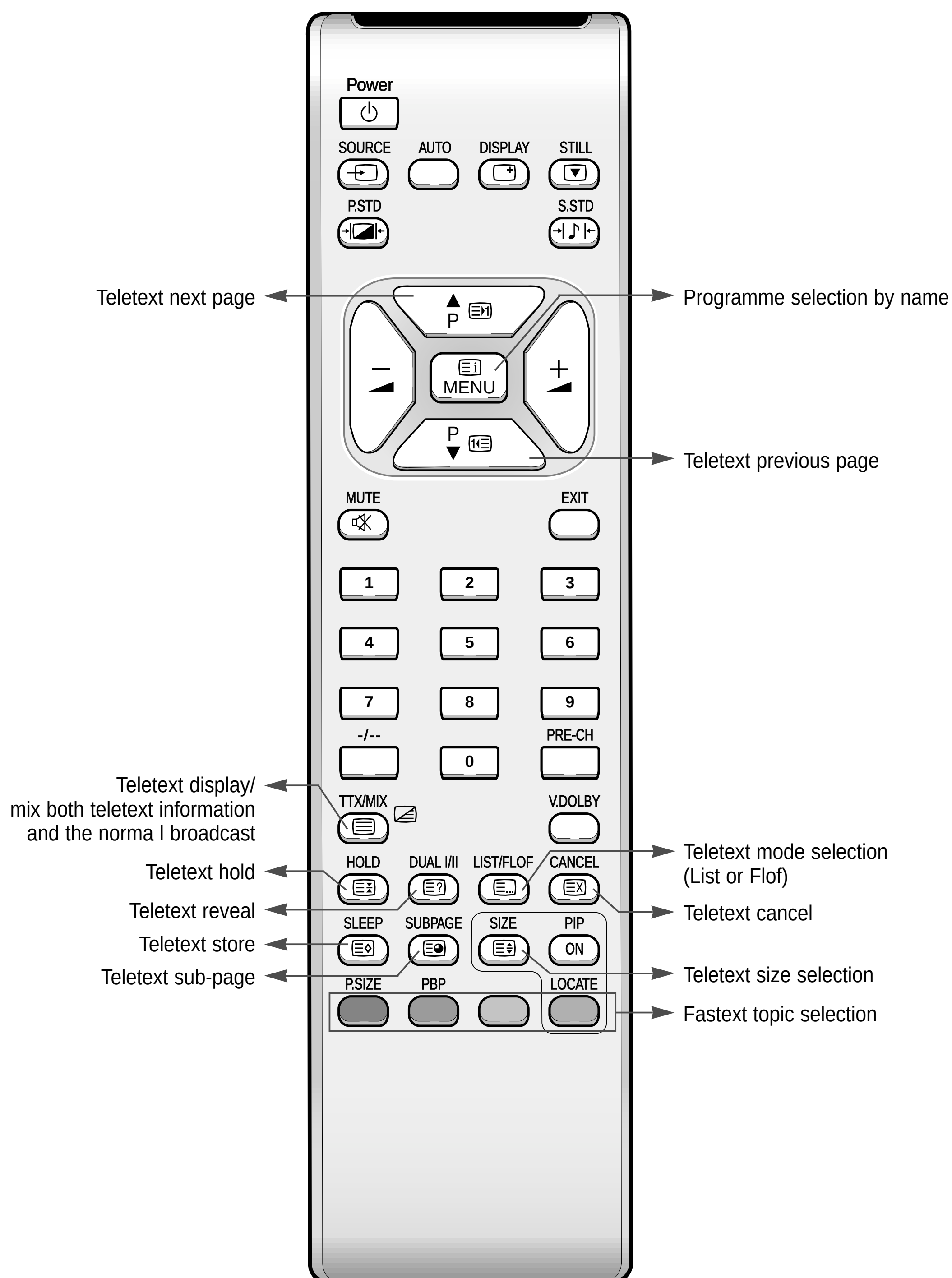
2 Switch your set on and if necessary, press the **SOURCE** button repeatedly. The input sources are displayed in the following order: **Ant** (TV) – **Scart** – **Video** – **S-Video** – **PC**.

Viewing the Remote Control (All Functions Except Teletext)

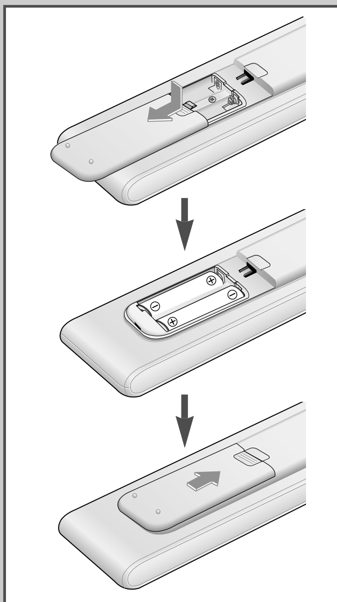


➢ The performance of the remote control may be affected by bright light.

Viewing the Remote Control (Teletext Functions)



Inserting the Batteries in the Remote Control



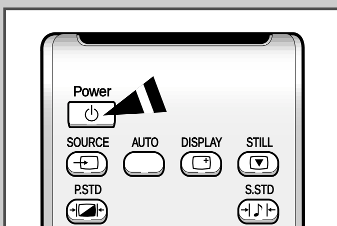
You must insert or replace the batteries in the remote control when you:

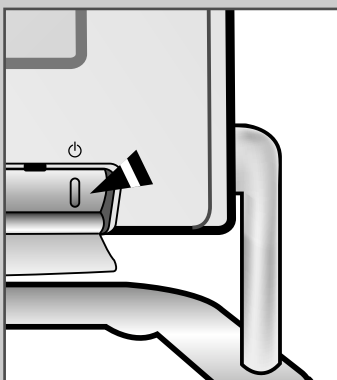
- ***Purchase your set***
- ***Find that the remote control is no longer operating correctly***

1	Remove the cover on the rear of the remote control by pressing the symbol downwards and then pulling firmly to remove it.
2	Insert two R03, UM4, “AAA” 1.5V or equivalent batteries taking care to respect the polarities: ◆ **+** on the battery against **+** on the remote control ◆ **–** on the battery against **–** on the remote control
3	Replace the cover by aligning it with the base of the remote control and pressing it back into place.

➢ Do not mix battery types, i.e. alkaline and monganese.

Switching On and Off





The mains lead is attached to the rear of your set.

☛ If you have purchased this set in the United Kingdom, refer to page 39 for further instructions on plug wiring.

Plug the mains lead into an appropriate socket.

Result: The screen is turned on and a green Standby indicator appears on the front of your set.

Your set can be placed in Standby mode, in order to reduce the power consumption.

The Standby mode can be useful when you wish to interrupt viewing temporarily (during a meal, for example).

1	Press the **Power** (⏻) button on the remote control or the front of your set. Result: The screen is turned off and a green Standby indicator disappears on the front of your set.
2	To switch your set back on, simply press the **Power** (⏻) button again.

➢ Do not leave your set in Standby mode for long periods of time (when you are away on holiday, for example). Turn your set off by unpluging from the mains and aerial.

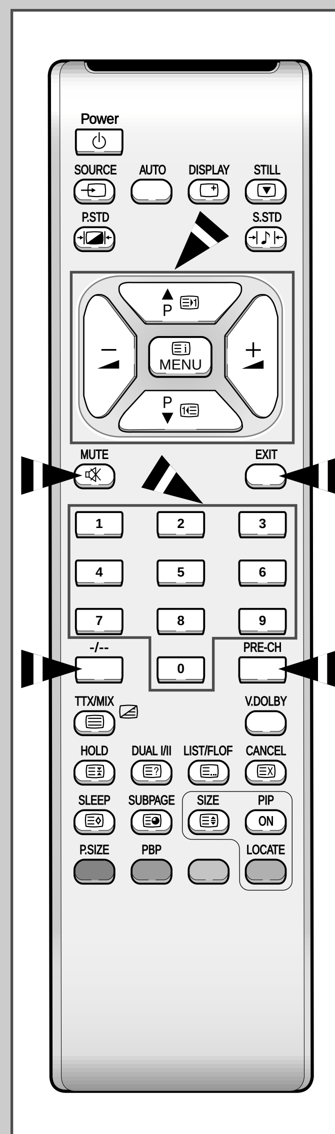
Becoming Familiar with the Remote Control

The remote control is used mainly to:

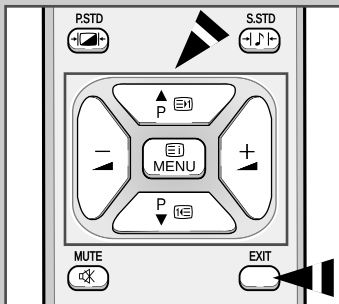
- ***Change channels and adjust the volume***
- ***Set up your set using the on-screen menu system***

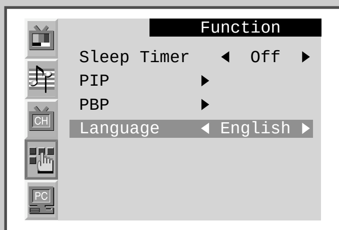
The following table presents the most frequently used buttons and their functions.

Button	Viewing Function	Menu Function
▲ P	Used to display the next stored channel.	Used to select the previous menu option.
P ▼	Used to display the previous stored channel.	Used to select the next menu option.
PRE-CH	Used to switch repeatedly between the last two channels displayed. (**PRE-CH**; Previous Channel)	
0 to 9	Used to display the corresponding channels.	
-/--	Used to select a channel numbered ten or over. Press this button, and the “**--**” symbol is displayed. Enter the two-digit channel number.	
–	Used to decrease the volume.	Used to... ◆ Display a submenu containing selections for the current menu option. ◆ Search forwards manually for channels ◆ Reduce a menu option value.
+	Used to increase the volume.	Used to... ◆ Display a submenu containing selections for the current menu option. ◆ Search backwards manually for channels ◆ Increase a menu option value.
MUTE	Used to switch the sound off temporarily. ➢ To turn the sound back on, press this button again, or press the **–** or **+** button.	
MENU	Used to display the on-screen menu system.	Used to return to the previous menu or normal viewing.
EXIT	Used to exit from the menu system and return to normal viewing directly.	



Choosing Your Language



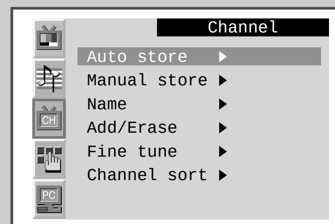


When you start using your set for the first time, you must select the language which will be used for displaying menus and indications.

1	Press the **MENU** button. Result: The main menu is displayed.
2	Press the P▼ or P▲ button to select the **Function**. Result: The options available in the **Function** group are displayed.
3	Press the ◢ **–** or ◢ **+** button.
4	Press the P▼ or P▲ button to select the **Language**.
5	Select a particular language by pressing the ◢ **–** or ◢ **+** button repeatedly.
6	When you are satisfied with your choice, press the **EXIT** button to return to normal viewing.

Storing Channels Automatically

You can scan for the frequency ranges available to you (and availability depends on your country). Automatically allocated programme numbers may not correspond to actual or desired programme numbers. However you can sort numbers manually and clear any channels you do not wish to watch.



1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **Channel**.

Result: The options available in the **Channel** group are displayed.



3 Press the ◢ – or ◢ + button.

Result: The **Auto store** is selected.

4 Press the ◢ – or ◢ + button again.

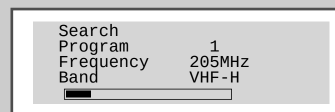
Result: The options available in the **Auto store** group are displayed with the **Country** is selected.



5 Select your country by pressing the ◢ – or ◢ + button repeatedly. The following countries are available:
Belgie – **Deutschland** – **Espania** – **France** – **Italia** – **Nederland** – **Schweiz** – **Sverige** – **UK** – **East Europe**.

6 Press the P▼ or P▲ button to select the **Search**, and then press the ◢ – or ◢ + button.

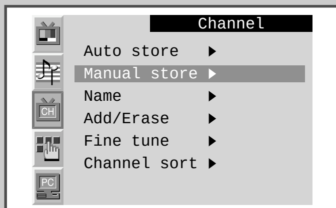
Result: The search will end automatically. Channels are sorted and stored in an order which reflects their position in the frequency range, (with lowest first and highest last). The programme originally selected is then displayed.

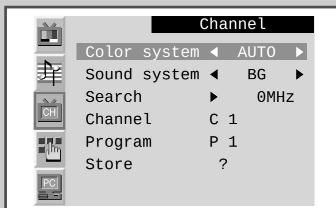


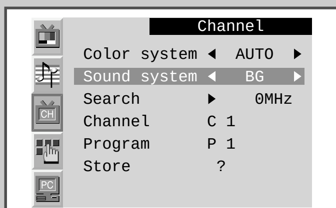
➢ To stop the search before it has finished, press the **EXIT** button.

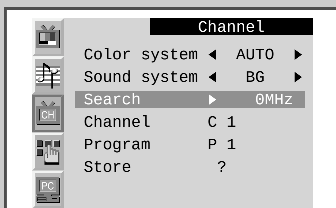
7 When the channels have been stored, you can:
- Change channels
- Assign a name to the stored channels (refer to page 19)
- Clear a channel (refer to page 20)
- Fine tune channel reception if necessary (refer to page 20)
- Sort them in the order required (refer to page 21)

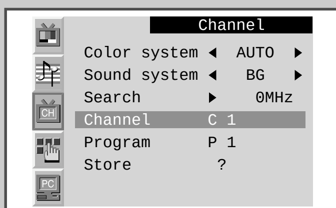
Storing Channels Manually

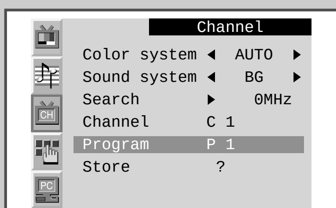


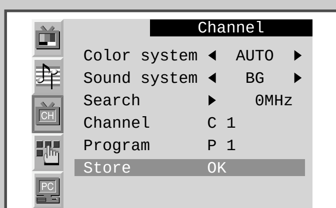












You can store up to 100 channels, including those received via cable networks. When storing channels manually, you can choose:

- ***Whether or not to store each of the channels found***
- ***The programme number of each stored channel which you wish to identify***

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **Channel**.

Result: The options available in the **Channel** group are displayed.

3 Press the ◢ **–** or ◢ **+** button.

4 Press the P▼ or P▲ button to select the **Manual store**. Press the ◢ **–** or ◢ **+** button.

Result: The options available in the **Manual store** group are displayed with the **Color system** is selected.

5 If necessary, indicate the broadcasting standard required by pressing the ◢ **–** or ◢ **+** button repeatedly.

Result: The color standards are displayed in the following order: **AUTO – PAL – SECAM – NT4.43**.

6 Press the P▼ or P▲ button to select the **Sound system**. Indicate the sound standard required by pressing the ◢ **–** or ◢ **+** button repeatedly.

Result: The sound standards are displayed in the following order: **BG – DK – I – L**.

7 If you know the channel number to be stored, press the P▼ or P▲ button to select the **Channel**. Indicate the required number by pressing the ◢ **–** or ◢ **+** button.

If you do not know the channel numbers, press the P▼ or P▲ button to select the **Search**. Start the search by pressing the ◢ **–** or ◢ **+**button.

Result: The tuner scans the frequency range until the first channel or the channel that you selected is received on your screen.

8 To assign a programme number to a channel, select the **Program** by pressing the P▼ or P▲ button. Press the ◢ **–** or ◢ **+** button to find the correct number.

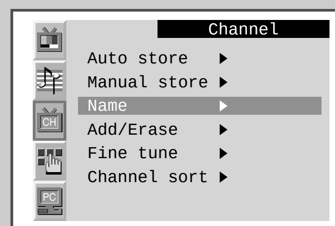
9 Press the P▼ or P▲ button to select the **Store**. Select the **OK** by pressing the ◢ **–** or ◢ **+** button.

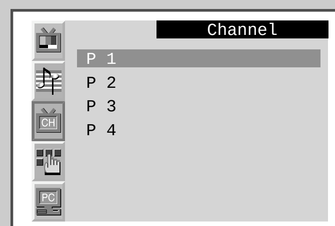
Result: The channel and associated programme number are stored.

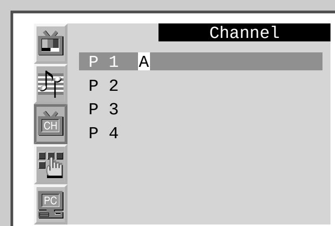
10 Repeat Steps **7** to **9** for each channel to be stored.

Giving Channels Names

If channel name information is broadcast when you store the channels either manually or automatically, the names are assigned to the channels directly. You can however change these names or assign new names as required.

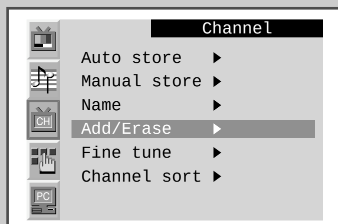


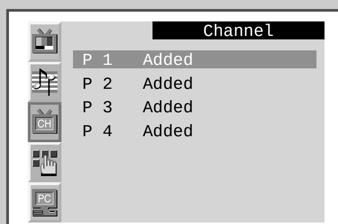


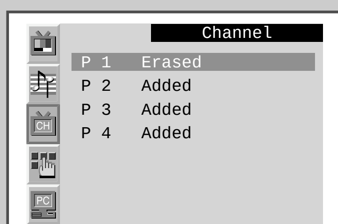


1	Press the **MENU** button. Result: The main menu is displayed.
2	Press the P▼ or P▲ button to select the **Channel**. Result: The options available in the **Channel** group are displayed.
3	Press the ◢ **–** or ◢ **+** button.
4	Press the P▼ or P▲ button to select the **Name**. Press the ◢ **–** or ◢ **+** button. Result: The current channels are displayed.
5	If necessary, select the channel to be assigned to a new name by pressing the P▼ or P▲ button.
6	Press the ◢ **–** or ◢ **+** button.
7	Press the P▼ or P▲ button to select a letter (A~Z), a number(0~9) or a symbol (–, space). Move on the previous or next letter by pressing the ◢ **–** or ◢ **+** button.
8	Repeat Steps **5** to **7** for each channel to be assigned to a new name.

Skipping Unwanted Channels







You can exclude the channels you chosen from the channels you scanned. When you scan through the stored channels, those you have chosen to skip are not displayed.

All channels that you do not specifically choose to skip are displayed during scanning.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **Channel**.

Result: The options available in the **Channel** group are displayed.

3 Press the **–** or **+** button.

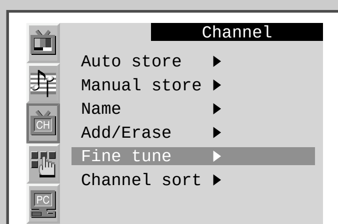
4 Press the P▼ or P▲ button to select the **Add/Erase**. Press the **–** or **+** button.

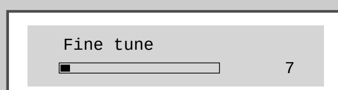
Result: The stored channels are displayed.

5 Press the P▼ or P▲ button to select the channel to add or erase. If necessary, select the **Added** or **Erased** by pressing the **–** or **+** button.

6 Repeat Step **5** for each channel to be added or erased.

Fine Tuning Channel Reception





If the reception is clear, you do not have to fine-tune the channel, as this is done automatically during the search and store operation. If however the signal is weak or distorted, you may have to fine-tune the channel manually.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **Channel**.

Result: The options available in the **Channel** group are displayed.

3 Press the **–** or **+** button.

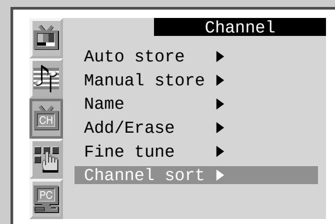
4 Press the P▼ or P▲ button to select the **Fine tune**.

5 Obtain a sharp and clear picture and good sound quality by pressing the **–** or **+** button.

Sorting the Stored Channels

You can exchange the numbers of two channels, in order to:

- ***Modify the numeric order in which the channels have been automatically stored.***
- ***Give easily remembered numbers to the channels that you watch most often.***

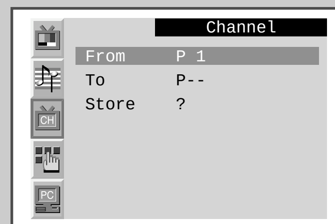


1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **Channel**.

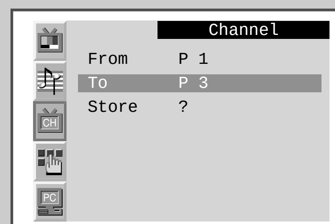
Result: The options available in the **Channel** group are displayed.



3 Press the ◢ – or ◢ + button.

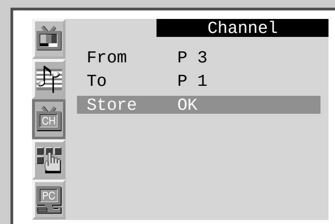
4 Press the P▼ or P▲ button to select the **Channel sorting**. Press the ◢ – or ◢ + button.

Result: The options available in the **Channel sorting** group are displayed with the **From** is selected.



5 Select the channel number that you wish to change by pressing the ◢ – or ◢ + button repeatedly.

6 Press the P▼ or P▲ button to select the **To**. Select the new number by which you wish to identify the channel by pressing the ◢ – or ◢ + button repeatedly.

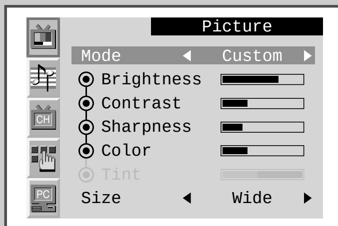


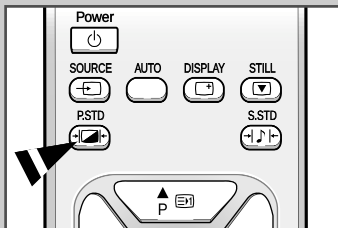
7 Press the P▼ or P▲ button to select the **Store**. Select the **OK** to confirm the exchange of channel numbers by pressing the ◢ – or ◢ + button.

Result: The selected channel is exchanged with the one previously stored to the chosen number.

8 For all the channels to move to the required channel numbers, repeat steps **5** to **7** after select the **From** by pressing the P▼ or P▲ button.

Changing the Picture Standard





You can select the type of picture which best corresponds to your viewing requirements.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **Picture**.

Result: The options available in the **Picture** group are displayed.

3 Press the – or + button.

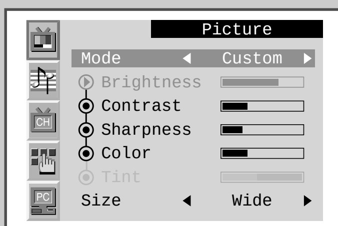
Result: The **Mode** is selected.

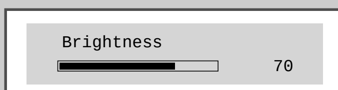
4 Select the required picture effect by pressing the – or + button repeatedly. The following picture effects are available: **Custom** – **Standard** – **Natural** – **Mild**.

➢ You can also set these options simply by pressing the **P.STD** (Picture Standard) button.

➢ On the **Picture** menu, if you change the **Brightness**, **Contrast**, **Sharpness**, **Color** or **Tint** (NTSC only) settings, the **Custom** is selected automatically.

Adjusting the Picture Settings





Your set has several settings which allow you to control picture quality.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **Picture**.

Result: The options available in the **Picture** group are displayed.

3 Press the – or + button.

4 Select the option (**Brightness**, **Contrast**, **Sharpness**, **Color** or **Tint**-NTSC only) to be adjusted by pressing the P▼ or P▲ button. Press the – or + button.

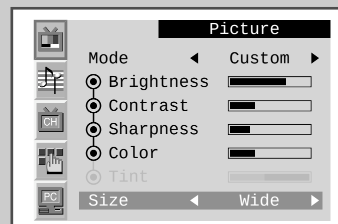
Result: The horizontal bar is displayed.

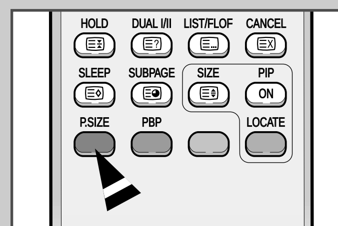
5 Press the – or + button to reach the required setting.

➢ If you make any changes to these settings, the picture standard is automatically switched to **Custom**.

Selecting the Picture Format

You can select the picture format which best corresponds to your viewing requirements.





1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **Picture**.

Result: The options available in the **Picture** group are displayed.

3 Press the ◢ – or ◢ + button.

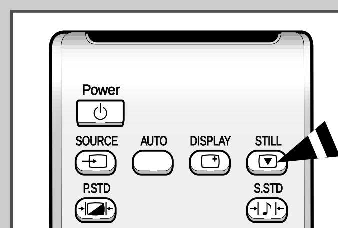
4 Press the P▼ or P▲ button to select the **Size**.

5 Select the required picture format by pressing the ◢ – or ◢ button repeatedly. The following picture formats are available: **Wide – Normal 1 – Normal 2 – Zoom 1 – Zoom 2**.

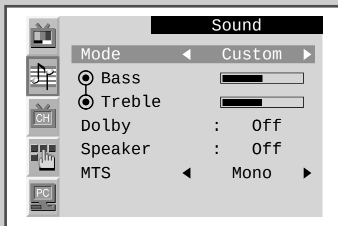
➢ You can also select these options simply by pressing the **P.SIZE** (Picture Size) button.

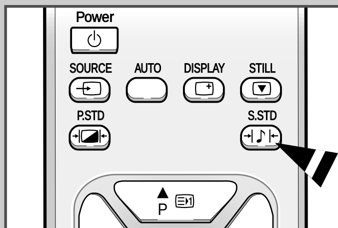
Freezing the Current Picture

Press the STILL button on the remote control to freeze the picture on a given frame.
To return to normal viewing, press the STILL button again.



Changing the Sound Standard





You can select the type of special sound effect to be used when watching a given broadcast.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **Sound**.

Result: The options available in the **Sound** group are displayed.

3 Press the ◢ **–** or ◢ **+** button.

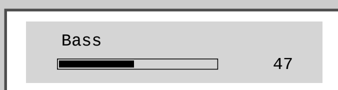
Result: The **Mode** is selected.

4 Select the required sound effect by pressing the ◢ **–** or ◢ **+** button repeatedly. The following sound effects are available: **Custom – Standard – Music – Movie – Speech**.

➢ You can also set these options simply by pressing the **S.STD** (Sound Standard) button.

Adjusting the Sound Settings





The sound settings can be adjusted to suit your personal preferences.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **Sound**.

Result: The options available in the **Sound** group are displayed.

3 Press the ◢ **–** or ◢ **+** button.

4 Select the option (**Bass** or **Treble**) to be adjusted by pressing the P▼ or P▲ button. Press the ◢ **–** or ◢ **+** button.

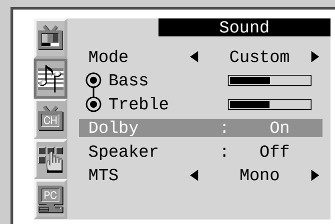
Result: The horizontal bar is displayed.

5 Press the ◢ **–** or ◢ **+** button to reach the required setting.

➢ If you make any changes to these settings, the sound standard is automatically switched to **Custom**.

Enjoying the Dolby Sound

This feature provides a home theater-like Dolby effect by mixing the left and right speakers.



1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **Sound**.

Result: The options available in the **Sound** group are displayed.

3 Press the ◢ **–** or ◢ **+** button.

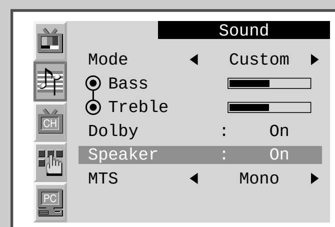
4 Press the P▼ or P▲ button to select the **Dolby**.

5 For enjoying the Dolby sound effect, select the **On** by pressing the ◢ **–** or ◢ **+** button.

➢ You can also select simply by pressing the **V.DOLBY** (Virtual Dolby) button.

Switching the Internal Speakers On/Off

When the internal speakers are switched off, all the sound is routed to the external speakers.



1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **Sound**.

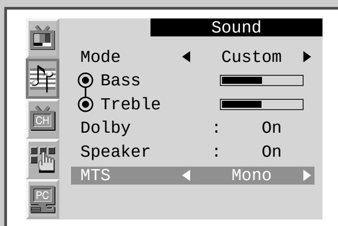
Result: The options available in the **Sound** group are displayed.

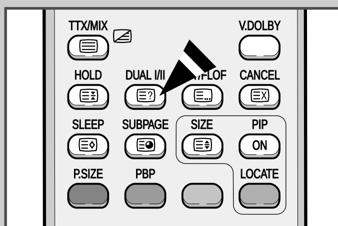
3 Press the ◢ **–** or ◢ **+** button.

4 Press the P▼ or P▲ button to select the **Speaker**.

5 Select the **On** to be routed the sound to the internal speakers by pressing the ◢ **–** or ◢ **+** button.

Choosing the MTS (Multichannel Television Stereo)





Depending on the particular program being broadcast, you can listen to Stereo, Mono, or Dual I/II (Dual I/II is usually a foreign-language translation).

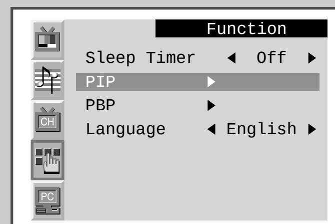
1	Press the **MENU** button. Result: The main menu is displayed.
2	Press the P▼ or P▲ button to select the **Sound**. Result: The options available in the **Sound** group are displayed.
3	Press the ◢ – or ◢ + button.
4	Press the P▼ or P▲ button to select the **MTS**.
5	Select the required sound mode by pressing the ◢ – or ◢ + button repeatedly. The sound modes are displayed in the following order: **Mono – Stereo – Dual I – Dual II**.

You can also set these options simply by pressing the DUAL I/II button. The "DUAL I/II" button displays/controls the processing and output of the audio signal.

➢
- If the receiving conditions deteriorate, listening will be easier if the mode is set to the **Mono**.
- If the stereo signal is weak and an automatic switching occurs, then switch to the **Mono**.
- When receiving a mono sound in the AV mode, connect to the "AUDIO (L)" connector on the rear panel.

Viewing the Picture In Picture (PIP)

You can display a sub picture within the main picture of TV program or external A/V devices such as VCR or DVD. In this way you can watch TV program or monitor the video input from any connected devices while watching TV or other video input.

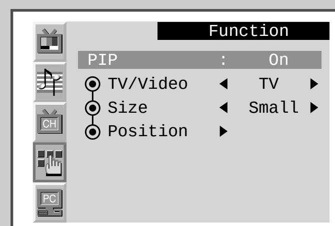


1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **Function**.

Result: The options available in the **Function** group are displayed.



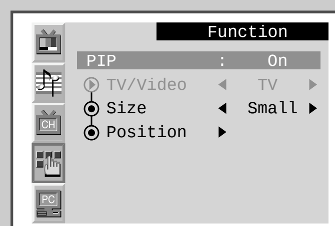
3 Press the ◢ – or ◢ + button.

4 Press the P▼ or P▲ button to select the **PIP**. Press the ◢ – or ◢ + button.

Result: The options available in the **PIP** group are displayed.

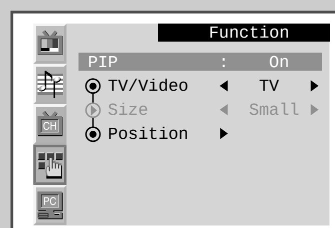
5 Select the **On** by pressing the ◢ – or ◢ + button.

➢ You can also activate the PIP simply by pressing the **PIP ON** button. To deactivate the PIP, press it again.



6 Press the P▼ or P▲ button to select the **TV/Video**. Select a source of the sub picture by pressing the ◢ – or ◢ + button.

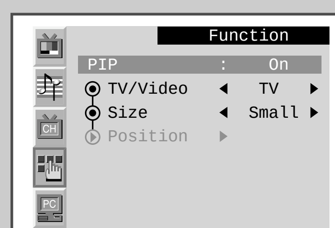
Result: The sources are displayed in the following order: **TV – Scart – Video – S-Video**.



7 Press the P▼ or P▲ button to select the **Size**. Select a size of the sub picture by pressing the ◢ – or ◢ + button.

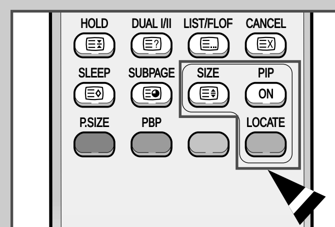
Result: The sizes are displayed in the following order: **Small – Medium – Large**.

➢ You can also select these options simply by pressing the **SIZE** button.

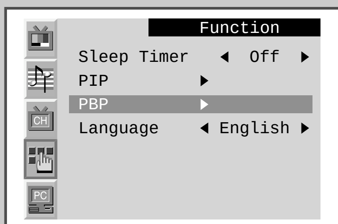


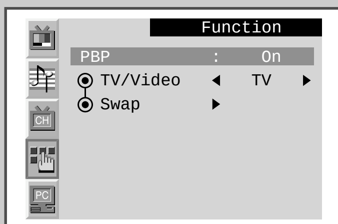
8 Press the P▼ or P▲ button to select the **Position**. Move the sub picture counterclockwise by pressing the ◢ – or ◢ + button.

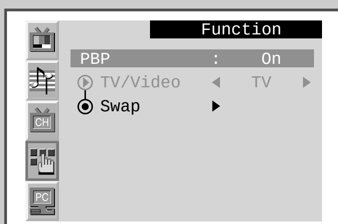
➢ You can also move the sub picture simply by pressing the **LOCATE** button.

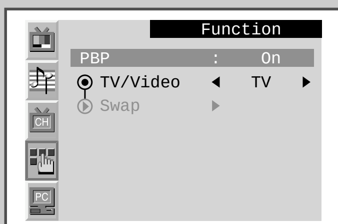


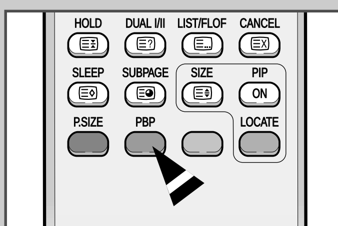
Viewing the Picture By Picture (PBP; Double Screen)











When external A/V devices (PC, VCR, or DVD) are connected to your set or watching TV, you can display two video sources simultaneously in the screen.

1. Press the **MENU** button.

   Result: The main menu is displayed.

2. Press the P▼ or P▲ button to select the **Function**.

   Result: The options available in the **Function** group are displayed.

3. Press the ◢ – or ◢ + button.

4. Press the P▼ or P▲ button to select the **PBP**. Press the ◢ – or ◢ + button.

   Result: The options available in the **PBP** group are displayed.

5. Select the **On** by pressing the ◢ – or ◢ + button.

   ➢ You can also activate the PBP simply by pressing the **PBP** button. To deactivate the PBP, press it again.

6. Press the P▼ or P▲ button to select the **TV/Video**. Select a source of the sub picture by pressing the ◢ – or ◢ + button.

   Result: The sources are displayed in the following order: **TV** – **Scart** – **Video** – **S-Video**.

7. Press the P▼ or P▲ button to select the **Swap**.

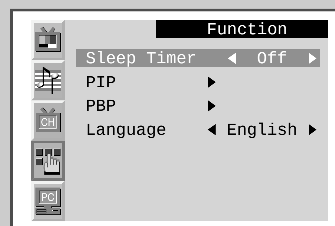
8. Press the ◢ – or ◢ + button.

   Result: The main picture and the sub picture are interchanged.

   ➢ You can also do simply by pressing the **PBP** button.

Switching Off Automatically

You can select a time period of between 10 and 240 minutes after your set automatically switches off.



1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **Function**.

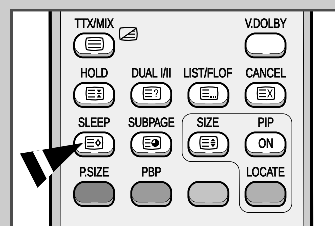
Result: The options available in the **Function** group are displayed.

3 Press the ◢ – or ◢ + button.

Result: The **Sleep Timer** is selected.

4 Select the number of minutes after which your set switches off by pressing the ◢ – or ◢ + button repeatedly.

◆ The preset time intervals: 10, 20, 30, 60, 90, 120, 150, 180, 210, and 240 minutes.

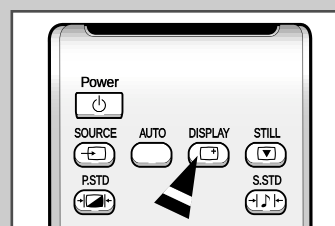


➢ **You can also select simply by pressing the "SLEEP" button.**

If the sleep timer is already set, the screen displays the remaining time and then your set will be switched off. If the sleep timer is not yet set, displays **Off**.

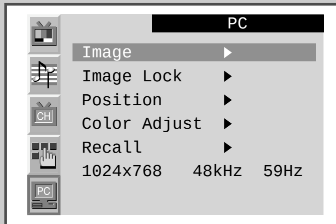
Displaying Information

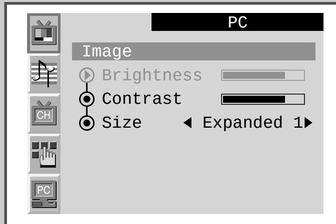
You can view the setting status of selected source by pressing the "DISPLAY" button on the remote control. The displayed information are different depending on the selected source.

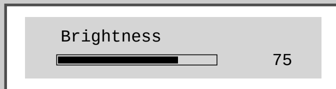


Adjusting the Brightness and Contrast

➢ Preset to the PC mode by pressing the **SOURCE** button.







1. Press the **MENU** button.

   Result: The main menu is displayed.

2. Press the P▼ or P▲ button to select the **PC**.

   Result: The options available in the **PC** group are displayed.

3. Press the ◢ – or ◢ + button.

   Result: The **Image** is selected.

4. Press the ◢ – or ◢ + button again.

   Result: The options available in the **Image** group are displayed.

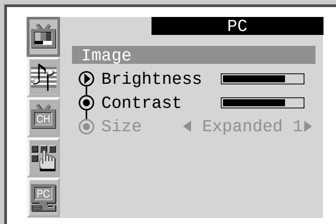
5. Select the option (**Brightness** or **Contrast**) to be adjusted for the color of your computer image by pressing the P▼ or P▲ button. Press the ◢ – or ◢ + button.

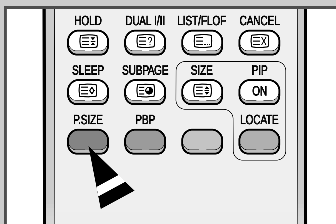
   Result: The horizontal bar is displayed.

6. Press the ◢ – or ◢ + button to reach the required setting.

Selecting the Image Size

➢ Preset to the PC mode by pressing the **SOURCE** button.





1. Press the **MENU** button.

   Result: The main menu is displayed.

2. Press the P▼ or P▲ button to select the **PC**.

   Result: The options available in the **PC** group are displayed.

3. Press the ◢ – or ◢ + button.

   Result: The **Image** is selected.

4. Press the ◢ – or ◢ + button again.

   Result: The options available in the **Image** group are displayed.

5. Press the P▼ or P▲ button to select the **Size**. Select a size of the your computer image by pressing the ◢ – or ◢ + button.

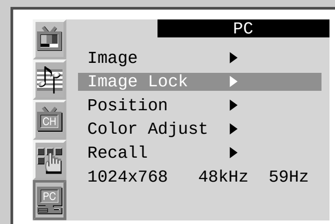
   Result: The sizes are displayed in the following order: **Expanded 1 – Expanded 2 – Normal**.

   ➢ You can also select these options simply by pressing the **P.SIZE** (Picture Size) button.

Adjusting the Image Quality

➢ Preset to the PC mode by pressing the **SOURCE** button.

This feature is used to fine tune and get the best image by removing noises that create unstable images with jitters and shimmers.



1 Press the **MENU** button.

Result: The main menu is displayed.

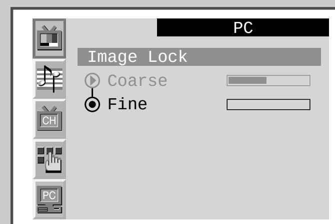
2 Press the P▼ or P▲ button to select the **PC**.

Result: The options available in the **PC** group are displayed.

3 Press the ◢ – or ◢ + button.

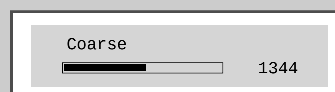
4 Press the P▼ or P▲ button to select the **Image Lock**. Press the ◢ – or ◢ + button.

Result: The options available in the **Image Lock** group are displayed.



5 Select the option (**Coarse** or **Fine**) to be adjusted for the quality of your computer image by pressing the P▼ or P▲ button. Press the ◢ – or ◢ + button.

Result: The horizontal bar is displayed.

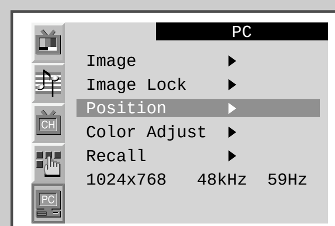


6 Press the ◢ – or ◢ + button to reach the required setting.

➢ This feature may change the width of the image. If necessary, adjust the position to center.

Changing the Image Position

➢ Preset to the PC mode by pressing the **SOURCE** button.



1 Press the **MENU** button.

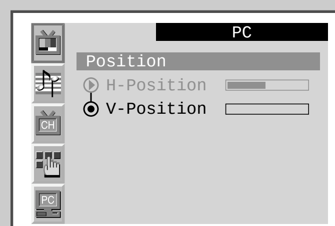
Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **PC**.

Result: The options available in the **PC** group are displayed.

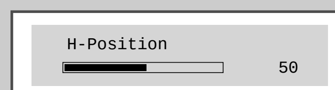
3 Press the ◢ – or ◢ + button.

4 Press the P▼ or P▲ button to select the **Position**. Press the ◢ – or ◢ + button.



5 Select the position (**H-Position** or **V-Position**) to be adjusted by pressing the P▼ or P▲ button. Press the ◢ – or ◢ + button.

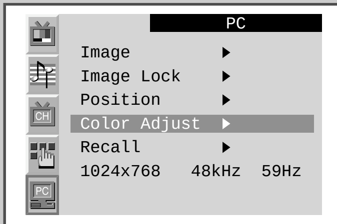
Result: The horizontal bar is displayed.

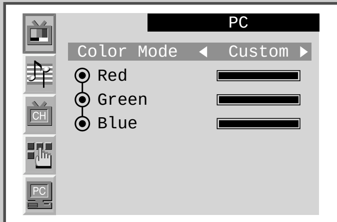


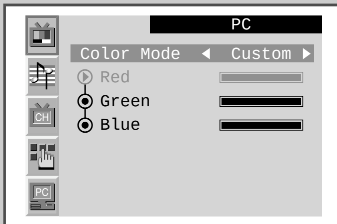
6 Press the ◢ – or ◢ + button to reach the required setting.

Adjusting the Color

➢ Preset to the PC mode by pressing the **SOURCE** button.









1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **PC**.

Result: The options available in the **PC** group are displayed.

3 Press the ◢ – or ◢ + button.

4 Press the P▼ or P▲ button to select the **Color Adjust**. Press the ◢ – or ◢ + button.

Result: The options available in the **Color Adjust** group are displayed with the **Color Mode** is selected.

5 Select the required color mode by pressing the ◢ – or ◢ + button repeatedly. The following color modes are available: **Custom** – **Color 1** – **Color 2** – **Color 3**.

6 If you wish adjust the color which best corresponds to your viewing requirements, select the option (**Red**, **Green**, or **Blue**) to be adjusted by pressing the P▼ or P▲ button.
Press the ◢ – or ◢ + button.

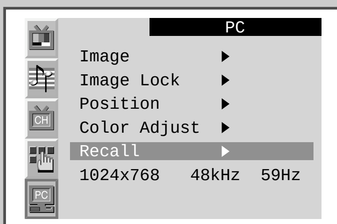
Result: The horizontal bar is displayed.

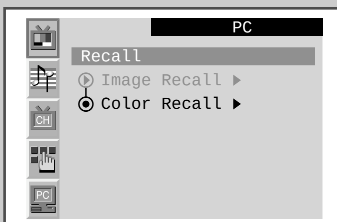
7 Press the ◢ – or ◢ + button to reach the required setting.

➢ If you change the **Red**, **Green**, or **Blue** settings, the **Color mode** is selected to **Custom** automatically.

Initializing the Image Settings

➢ Preset to the PC mode by pressing the **SOURCE** button.





You can replace all image settings with the factory default values.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the P▼ or P▲ button to select the **PC**.

Result: The options available in the **PC** group are displayed.

3 Press the ◢ – or ◢ + button.

4 Press the P▼ or P▲ button to select the **Recall**. Press the ◢ – or ◢ + button.

Result: The options available in the **Recall** group are displayed.

5 Select the option (**Image Recall** or **Color Recall**) to be replaced by pressing the P▼ or P▲ button. Press the ◢ – or ◢ + button.

Result: The screen becomes black and return to original view about a few seconds later.

Display Modes

If the signal from the system equals to the standard signal mode, the screen is adjusted automatically. If the signal from the system doesn't equal to the standard signal mode, adjust the mode with referring to the Video card user guide because the screen might not display or only the power LED might be on. For the display modes listed below, the screen image has been optimized during manufacture.

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
VGA	720 x 400	31.469	70.087	28.322	– / +
	640 x 480	31.469	59.940	25.175	– / –
	640 x 480	37.500	75.000	31.500	– / –
	640 x 480	43.269	85.008	36.000	– / –
SVGA	800 x 600	46.875	75.000	49.500	+ / +
	800 x 600	53.674	85.061	56.250	+ / +
XGA	1024 x 768	48.363	60.004	65.000	– / –
	1024 x 768	60.023	75.029	78.750	+ / +
	1024 x 768	68.677	84.997	94.500	+ / +
SXGA	1280 x 1024	63.981	60.020	108.000	+ / –, + / –
	1280 x 1024	79.976	75.025	135.000	+ / +
UXGA	1600 x 1200	75.000	60.000	162.000	+ / –, + / –
WUXGA (SyncMaster 241MP)	1920 x 1200	75.000	60.000	193.156	+ / –, + / –

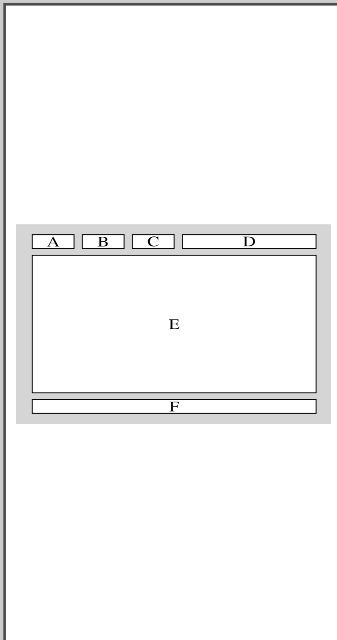
PowerSaver

This set has a built-in power management system called PowerSaver. This system saves energy by switching your set into a low-power mode when it has not been used for a certain period of time. The available modes are "On", "Standby", "Sleep", and "Deep Sleep". PowerSaver operates with a VESA DPMS compliant video card installed in your computer. You use a software utility installed on your computer to set up this feature.

State	Normal Operation	Power-Saving Function mode (EPA/NUTEK)
Horizontal Sync	Active	Inactive
Vertical Sync	Active	Inactive
Power Indicator	Green	Green, Blinking (1 sec interval)
Power Consumption	SyncMaster 211MP : 110W (Max.) SyncMaster 241MP : 120W (Max.)	Less than 8W

➢ *This set automatically returns to normal operation when horizontal and vertical sync return. This occurs when you move the computer's mouse or press a key on the keyboard.*

Teletext Feature



Most television channels provide written information services via teletext. Information provided includes:

- ***Television programme times***
- ***News bulletins and weather forecasts***
- ***Sports results***
- ***Travel information***

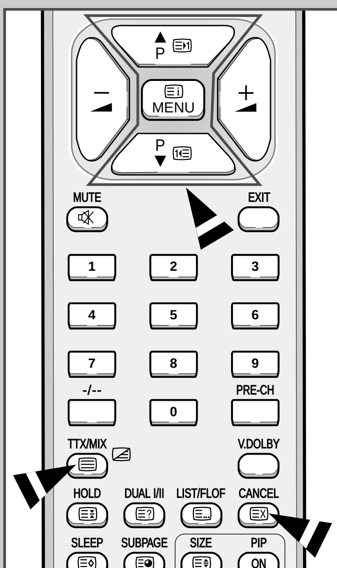
This information is divided into numbered pages (see diagram).

Part	Contents
A	Selected page number.
B	Broadcasting channel identity.
C	Current page number or search indications.
D	Date and time.
E	Text.
F	Status information. FASTEXT information.

➢ Teletext information is often divided between several pages displayed in sequence, which can be accessed by:

- Entering the page number
- Selecting a title in a list
- Selecting a coloured heading (FASTEXT system)

Displaying the Teletext Information



You can display Teletext information at any time on your set.

☛ For Teletext information to be displayed correctly, channel reception must be stable; otherwise:

- Information may be missing
- Some pages may not be displayed

1. Select the channel providing the Teletext service using the P▼ or P▲ button.
2. Press the **TTX/MIX** button to activate the teletext mode.

   Result: The contents page is displayed. It can be redisplayed at any time by pressing the (index) button.
3. If you wish to display the actual broadcast at the same time as the teletext page, press the **TTX/MIX** button again.
4. To return to normal viewing, press the **CANCEL** () button.
5. Press the **TTX/MIX** button again to exit from the teletext display.

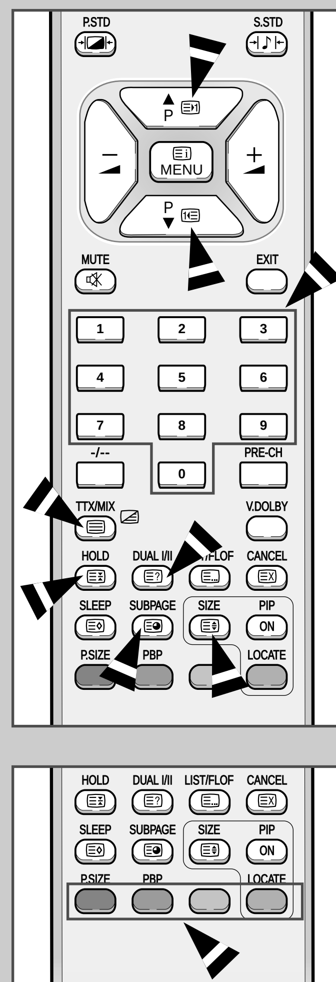
Selecting a Page by Number

You can enter the page number directly by pressing the numeric buttons on the remote control.

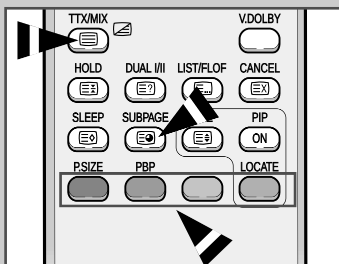
1	Enter the three-digit page number given in the content by pressing the corresponding numeric buttons. Result: The current page counter is incremented and the page is then displayed.
2	If the selected page is linked with several secondary pages, the secondary pages are displayed in sequence. To freeze the display on a given page, press the **HOLD** button. Press the **HOLD** button again to resume.

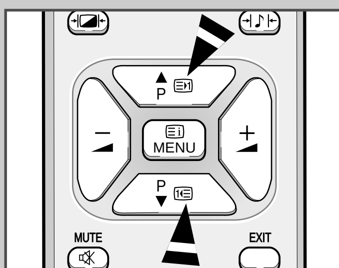
Using the various display options:

To display...	Press the...
◆ Both teletext information and the normal broadcast	**TTX/MIX**
◆ Hidden text (answers to quiz games, for example)	(reveal)
◆ The normal screen	(reveal) again
◆ A secondary page, by entering its 4-digit number	**SUBPAGE**
◆ The next page	(page up)
◆ The previous page	(page down)
◆ Double-size letters in the: • Upper half of the screen • Lower half of the screen	**SIZE** • Once • Twice
◆ Normal screen	• Three times



Using FLOF to Select a Page





The various topics included in the teletext pages are color-coded, and can be selected by pressing the colored buttons on the remote control.

1 Display the teletext contents page by pressing the **TTX/MIX** button.

2 Press the coloured button corresponding to the topic that you wish to select;the available topics are given on the status line.

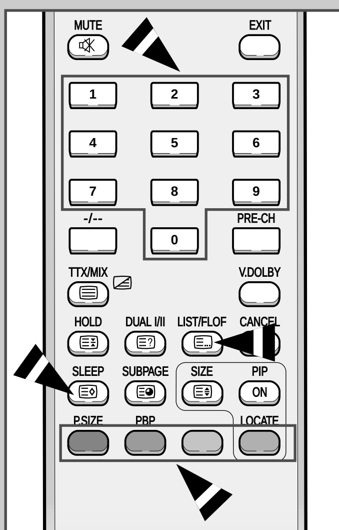
Result: The page is displayed with other coloured information that can be selected in the same way.

3 To display the previous or next page, press the corresponding coloured button.

4 To display the subpage, see the following steps.

- Press the **SUBPAGE** (⊜) button.
  Result: The available subpages appear.
- Select the required sub-page. Sub-pages can be scrolled by using the ⊜ (P▼) or ⊜ (P▲) button.

Storing Teletext Pages



You can store up to four teletext pages to display them later at leisure.

1 Select the LIST mode using the **LIST/FLOF** (⊜) button.

Result: Four 3-digit numbers are displayed in different colors.

➢ The **LIST/FLOF** (⊜) button is used to switch between the LIST and FLOF modes.

2 Press the colored button corresponding to the page that will be replaced.

3 Enter the new page number using the numeric buttons.

4 Repeat steps **2** and **3** for each page to be stored, using a different colored button each time.

5 Press the ⊜ (store) button until the corresponding blocks blink.

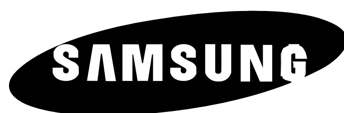
Troubleshooting: Before Contacting Service Personnel

Before contacting Samsung after-sales service, perform the following simple checks.
If you cannot solve the problem using the instructions below, note the model and serial number of your set and contact your local dealer.

No sound or picture	◆ Check that the mains lead has been connected to a wall socket. ◆ Check that you have pressed the **Power** (⏻) button. ◆ Check the picture contrast and brightness settings. ◆ Check the volume.
Normal picture but no sound	◆ Check the volume. ◆ Check whether the **MUTE** button has been pressed on the remote control.
No picture or black and white picture	◆ Adjust the color settings. ◆ Check that the broadcast system selected is correct.
Sound and picture interference	◆ Try to identify the electrical appliance that is affecting the set and move it further away. ◆ Plug your set into a different mains socket.
Blurred or snowy picture, distorted sound	◆ Check the direction, location and connections of your aerial. This interference is often due to the use of an indoor aerial.
Remote control malfunctions	◆ Replace the remote control batteries. ◆ Clean the upper edge of the remote control (transmission window). ◆ Check the battery terminals.
“Check Signal Cable” message is displayed.	◆ Check that the signal cable is firmly connected to the PC or video sources. ◆ Check that the PC or video sources are turned on.
On PC mode, “Not Supported Mode” message is displayed.	◆ Check the maximum resolution and the frequency of the video Adapter. ◆ Compare these values with the data in the Display Modes Timing Chart.
On PC mode, horizontal or vertical bars appear to flicker, jitter or shimmer on the image.	◆ Adjust the Coarse or Fine function.
On PC mode, screen is black and power indicator light is steady amber or blinks every 0.5 or 1 seconds	◆ The TV is using its power management system. ◆ Move the computer’s mouse or press a key on the keyboard.
On PC mode, image is not stable and may appear to vibrate.	◆ Check that the display resolution and frequency from your computer or video board is an available mode for your set. On your computer check: Control Panel, Display, Settings. ◆ If the setting is not correct, use your computer utility programme to change the display settings. ➢ Your set supports multiscan display functions within the following frequency domain: **Horizontal frequency:** 30 ~ 85 kHz **Vertical frequency:** 55 ~ 85 Hz
On PC mode, image is not centered on the screen.	◆ Adjust the horizontal and vertical position.
You need the Monitor driver software.	◆ Download the driver from WWW pages: **http://www.samsungusa.com/monitor** **http://www.samsung-monitor.com**

Technical and Environmental Specifications

Model	SyncMaster 211MP	SyncMaster 241MP
Panel		
Size	21.3” Diagonal	24.06” Diagonal
Display Size	432(H) x 324(V) mm	518.4(H) x 324(V) mm
Type	a-si TFT active matrix	
Pixel Pitch	0.27 (H) x 0.27 (V) mm	
Viewing Angle	80/80/80/80 (L/R/T/B)	
Frequency		
Horizontal	30 ~ 85 kHz	
Vertical	55 ~ 85 Hz	
Display Color	16,777,216 colors	
Display Resolution		
Maximum Mode	1600 x 1200 @ 60 Hz	1920 x 1200 @ 60 Hz
Input Signal		
Sync.	H/V Separate, TTL, P. or N. H/V Composite, TTL, P. or N. Sync-on-green 0.3 Vp-p, N.	
Video Signal	0.7 Vp-p @ 75 ohm	
TV/Video		
Color System	PAL, SECAM, NTSC4.43	
Sound System	B/G, D/K, I, L, L’	
Video Format	CVBS, S-VHS	
Scart		
Video Input/Output	1.0 Vp-p @ 75 ohm	
RGB Input	0.7 Vp-p @ 75 ohm	
Audio Input/Output	500mVrms	
Color system	PAL	
Power Supply		
Input	100 - 240 V (50Hz / 60Hz)	
Output	DC 14V/8A	
Power Consumption		
Maximum	110 W	120 W
Power Saving	< 8 W	
Dimensions (W X D X H)		
Monitor body	531.5 x 67.5 x 422	618 x 67.5 x 422
With stand	578.7 x 218.2 x 472	665.2 x 218.2 x 472
Environmental Considerations		
Operating Temperature	50 °F to 104 °F (10 °C to 40 °C)	
Operating Humidity	10% to 80%	
Storage Temperature	- 13 °F to 113 °F (-25 °C to 45 °C)	
Storage Humidity	5% to 95%	
Audio Characteristics		
Audio Input	RCA Jack (L, R), 0.5Vrms (-9dB)	
Audio Input (PC)	3.5Ø Stereo Jack, 0.5Vrms (-9dB)	
Audio Output	RCA Jack (L, R), 0.5Vrms (-9dB)	
Speaker Output	Max. 5W Output (3.5Ø Stereo Jack, 2)	
Headphone Output	Max. 10mW Output (3.5Ø Stereo Jack, 32Ω)	
Frequency	RF: 80Hz ~ 15kHz (at- 3dB)	
Response	A/V: 80Hz ~ 20kHz (at- 3dB)	



MAN HÌNH LCD

SyncMaster 211MP
SyncMaster 241MP

Tai lieu Hööông dan Sö dung

Tröôc khi sö dung may, ñe nghò quy khach
vui long ñoc ky tai lieu hööông dan sö dung
nay va löu lai ñe tham khao ve sau.

DANH MUC CHÖC NANG TREN MAN HÌNH
MAN HÌNH PC
CHÖC NANG MAN HÌNH CON (PIP)
CHÖC NANG NHIEU MAN HÌNH (PBP)
DÒCH VU TELETEXT

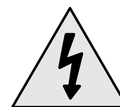
Canh bao

Canh bao

NGUY CÔ SOC ÑIEN
KHONG ÑÖÔC MÔ!

Canh bao: ÑE TRANH BÒ SOC ÑIEN, KHONG ÑÖÔC MÔ VO SAU CUA MAY. BEN TRONG KHONG CO PHAN NAO NGÖÔI SÖ DUNG CO THE THAO TAC. HAY LIEN HE NHAN VIEN BAO TRÌ CO CHUYEN MON.

Hình tam giac chöa tia chôp va ñau mui ten la bieu töông canh bao ban ve "möc ñien the nguy hiem" ben trong san pham nay.



Hình tam giac chöa dau cham than la bieu töông canh bao ban ve nhöng höông dan quan trong cho san pham.

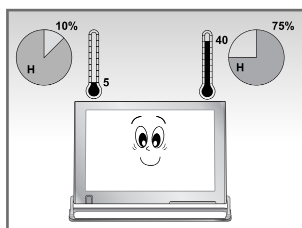


CANH BAO: CANH BAO: ÑE TRANH THIET HAI CO THE GAY CHAY HOAC SOC ÑIEN, KHONG NEN ÑE MAY NGOAI TRÔI MÖA HOAC NÔI AM ÖÔT.

Ñien ap chính ñöôc the hien ô phía sau may va tan so dong ñien la 50 hoac 60Hz.

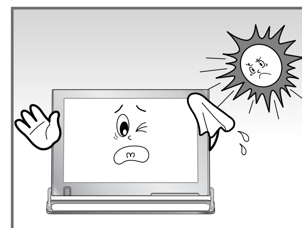
Cac höông dan ve an toan

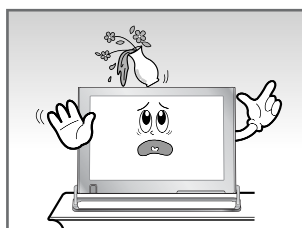
Cac hình minh hoa döôi ñay töông tröng cho nhöng tình huong canh bao tröôc ñoi vôi may thu hình (TV) cua ban.



◀ KHONG ñe TV trong ñieu kien nhiet ño hay ño am qua cao hoac qua thap.

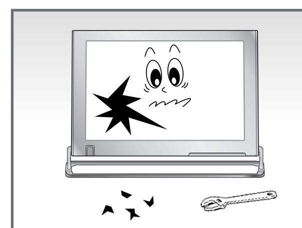
KHONG nen ñat TV döôi anh sang mat trôi chieu tröc tiep. ▶

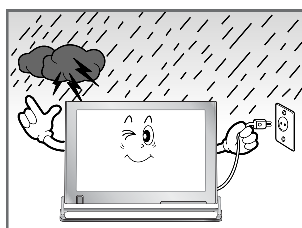




◀ Khong nen ñe TV tiep xuc vôi bat ky loai chat long nao.

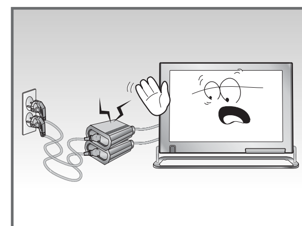
Neu TV bì be, khong nen tö y söa chöa. Hay lien he vôi nhan vien bao trì co chuyen mon. ▶

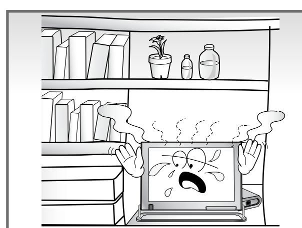




◀ Khi trôi möa, bao (ñac biet khi co set), hay rut phích cam cua TV ra khoi nguon ñien va angten.

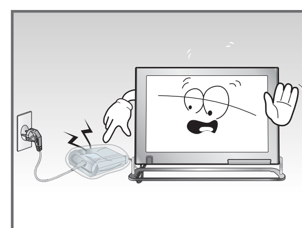
Hay ñe cac bo tiep hôp ñien xa nhau. Vì co the ño la nguy cô gay chay. ▶

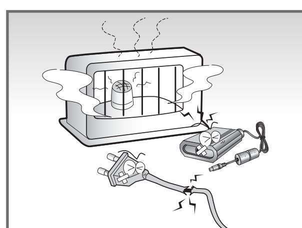




◀ Luon giö bo tiep hôp ñien ô nôi thong thoang.

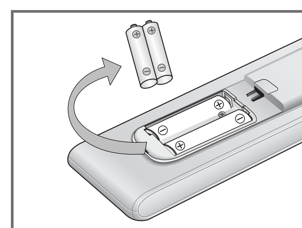
Gô bo bao bì khoi bo tiep hôp ñien tröôc khi sö dung. Vì co the ño la nguy cô gay chay. ▶





◀ Giö bo tiep hôp ñien tranh xa moi nguon toa nhiet khac. Vì co the ño la nguy cô gay chay.

Neu ban khong sö dung bo ñieu khien tö xa trong thôi gian dai, hay thao pin va bao quanô nôi kho thoang. ▶



SAN PHAM NAY KHONG THÍCH HÔP ÑE SÖ DUNG TRONG MOI TRÖÔNG SAN XUAT CONG NGHIEP

Muc luc

Muc luc

◆ SÖ DUNG NHÖNG CHÖC NANG KHAC

◆ SÖ DUNG CAC CHÖC NANG PC

◆ CACH SÖ DUNG CHÖC NANG TELETEXT

◆ LÔI KHUYEN KHI SÖ DUNG

Cac ky hieu



Nhan

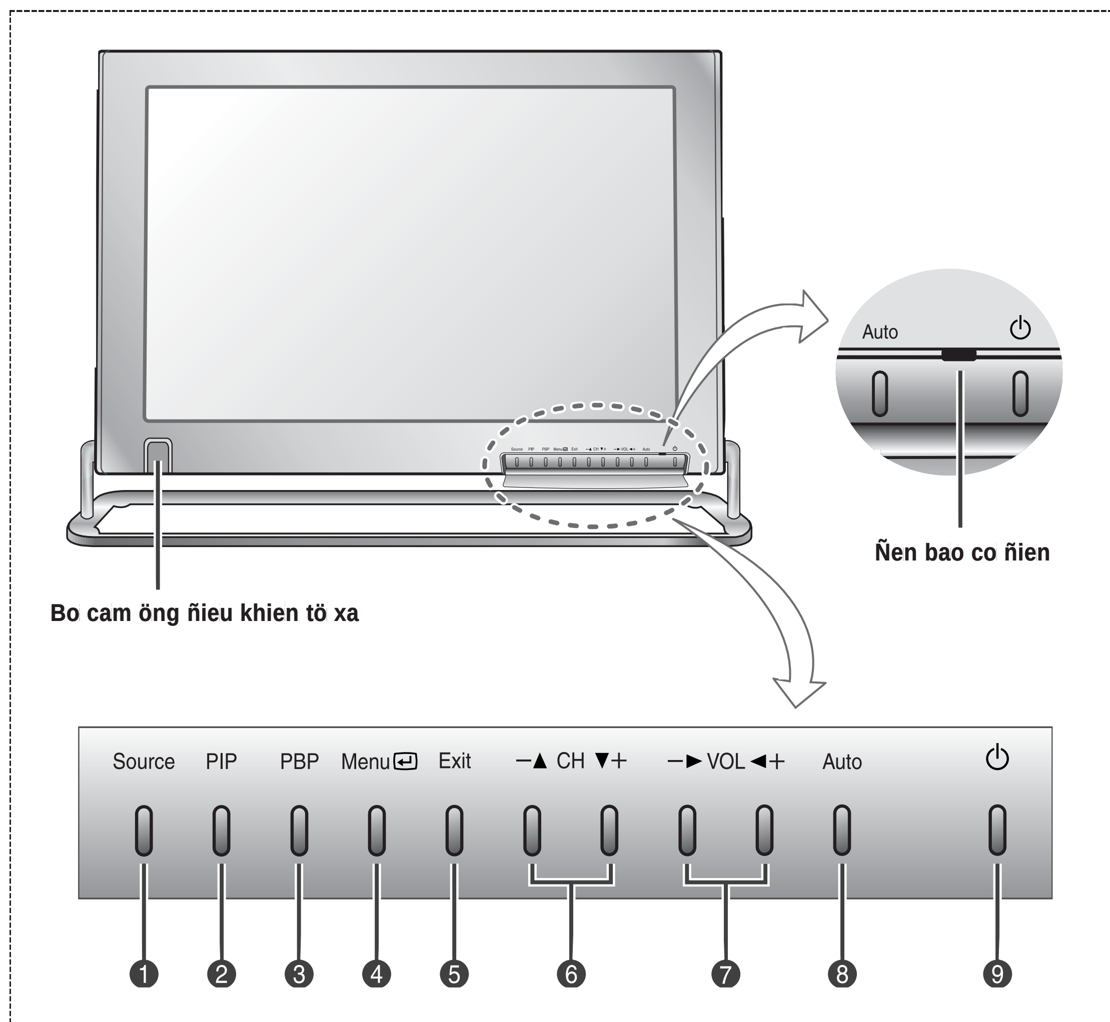


Quan trong



Löu y

Tìm hieu Bang ñieu khien



❶ **Nguon**
Hien thò danh muc tat ca cac thiet bò ñau vao hien co(TV/Video/S-Video/DVD/DTV/PC).

❷ **PIP**
Kích hoat chöc nang PIP (Man hình con).

❸ **PBP**
Kích hoat chöc nang PBP (Man hình ñoi).

❹ **Danh muc** ↵
Mô OSD (Hien thò tren man hình) va chon mot chöc nang.

❺ **Thoat**
Thoat khoi danh muc tren man hình.

❻ **–▲ CH ▼+**
Di chuyen thanh sang chon len hoac xuong tren man hình.

❼ **•–► VOL ◄+**
Di chuyen thanh sang chon qua trai hoac phai tren man hình. Tang hoac giam möc am löông va gia trò cua chöc nang ñöôc chon.

❽ **Auto**
Cho phep ban cam nhan chat löông cua hình anh ñang hien thò. Ca thong so ve ño mòn, ño tho va vò trí ñöôc ñieu chænh tö ñong. (Chæ hoat ñong ô che ño PC)

❾ ⏻ (Ñien)
Bat/Tat man hình.

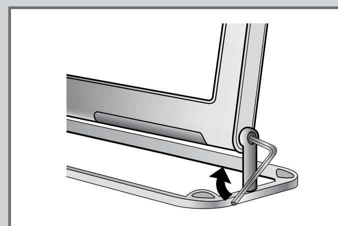
Cach lap ñat tren töông

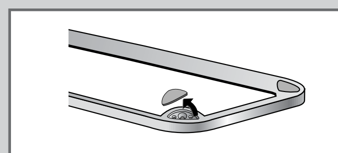
1 ***Thao chan ñe***
Dung vít 6 canh ñe thao chan ñe.

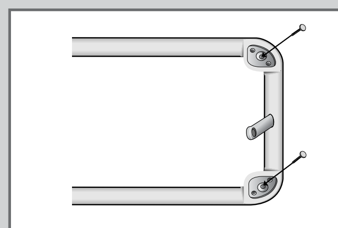
2 ***Gô cac mieng cao su***
Gô 4 mieng cao su ô cac canh ra.

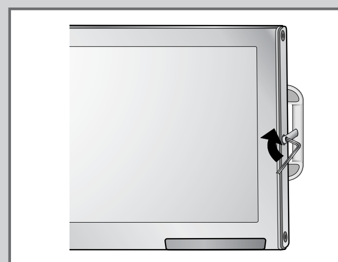
3 ***Gan len töông***
Gan chan ñe len töông bang oc vít hoac ñinh.

4 ***Lap man hình***
Dung vít 6 canh ñe lap man hình vao chan ñe.





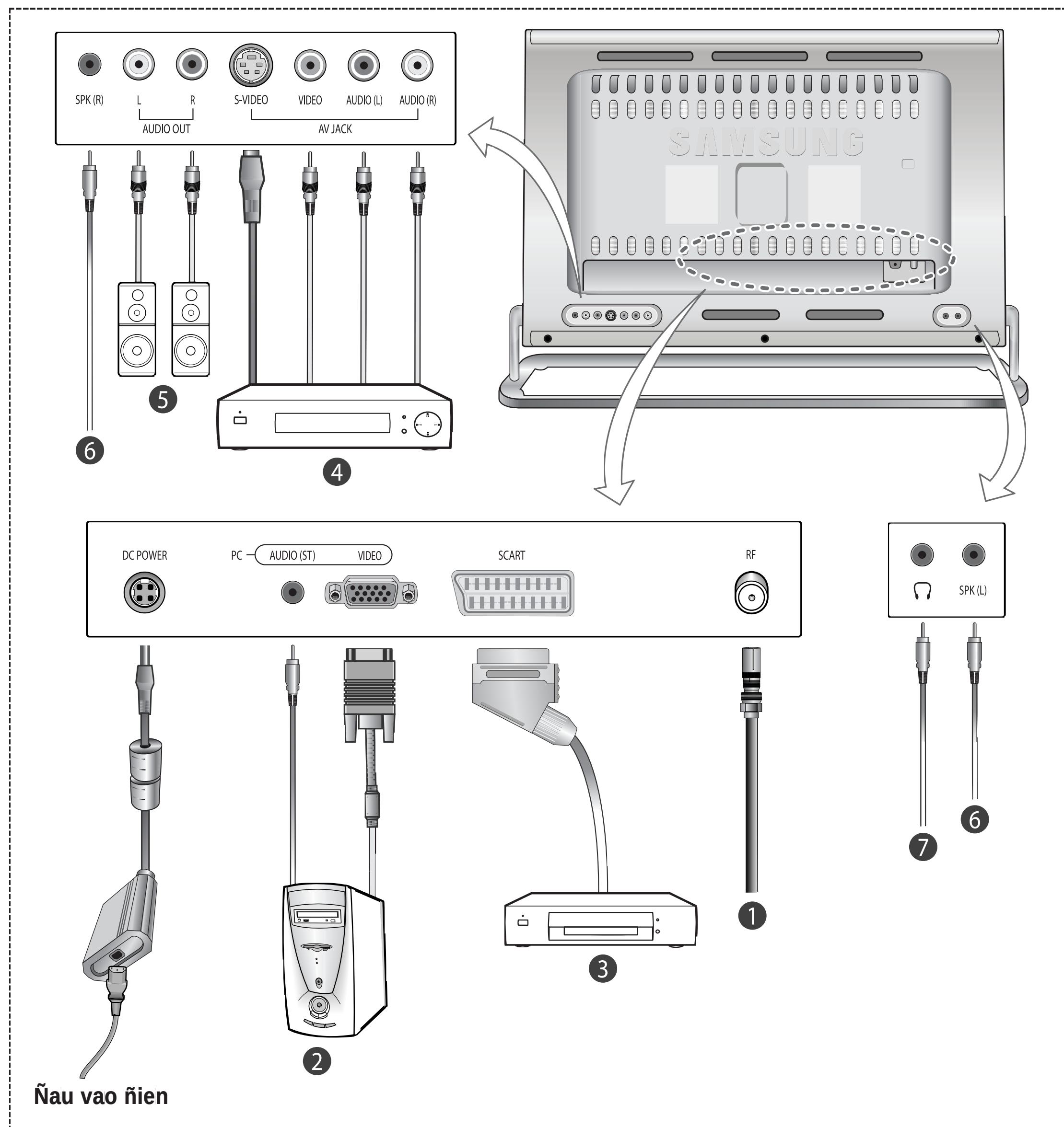




Löu y khi lap ñat

- Khong lap ñat man hình len bat ky nôi nao khac ngoai töông thang ñöng.
- Ñe bao ve kha nang hoat ñong cua man hình va ñe tranh sö co, hay lam theo nhöng höông dan sau:
  – Khong lap ñat man hình ke ben may bao khoi va chay.
  – Khong lap ñat man hình ô nôi phai chiu ño rung hoac ñien the cao.
  – Khong lap ñat man hình trong töông.
  – Khong lap ñat man hình gan hoac xung quanh cac thiet bi toa nhiet.
- Chæ sö dung cac thanh phan va bo phan ñöôc khuyen dung.

Tìm hieu Bang ket noi



Bat cö khi nao ban ket noi mot he thong am thanh hoac hình anh vao man hình, nhô la tröôc het phai tat moi thiet bò. Tham khao tai lieu kem theo thiet bò ñe ñöôc höông dan chi tiet ve ket noi va biet nhöng canh bao an toan lien quan.

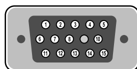
Tìm hieu Bang ket noi (tiep theo)

❶ ***Cach ket noi vôi ang-ten hoac mang truyen hình cap*** (tuy theo kieu man hình)
Ñe co the xem ñöôc cac kenh TV, may thu hình phai nhan ñöôc tín hieu tö mot trong nhöng nguon sau:
- Ang-ten trôi
- Mang truyen hình cap
- Mang truyen hình ve tinh

❷ ***Ket noi vôi may tính***
- Cam ñau cam D-SUB 15 chan vao cong PC Video.
- Cam mot ñau cua day am thanh noi vao cong "Audio(ST)" ô mat sau cua man hình va cam ñau kia vao cong "Audio Out" cua card am thanh trong may tính.
- Neu can thiet, hay cai ñat trình ñieu khien man hình co trong CD kem theo. Muon biet them chi tiet, hay tham khao höông dan cai ñat trình ñieu khien kem theo hop ñöng CD.

Ñau cam D-SUB 15 chan

Chan cam	H/V rieng le	H/V tong hôp	Ñong bo tín hieu xanh
1	Ño (R)	Ño (R)	Ño (R)
2	Xanh (G)	Xanh (G)	Xanh (G) + Ngang/Doc ñong bo
3	Xanh döông (B)	Xanh döông (B)	Xanh döông (B)
4	Tiep ñat	Tiep ñat	Tiep ñat
5	Tiep ñat (DDC)	Tiep ñat (DDC)	Tiep ñat (DDC)
6	Ño (R) Tiep ñat	Ño (R) Tiep ñat	Ño (R) Tiep ñat
7	Xanh (G) Tiep ñat	Xanh (G) Tiep ñat	Xanh (G) Tiep ñat
8	Xanh döông (B) Tiep ñat	Xanh döông (B) Tiep ñat	Xanh döông (B) Tiep ñat
9	Khong ket noi	Khong ket noi	Khong sö dung
10	Ñong bo tiep ñat	Ñong bo tiep ñat	Ñong bo tiep ñat
11	Tiep ñat	Tiep ñat	Tiep ñat
12	Dö lieu (DDC)	Dö lieu (DDC)	Dö lieu (DDC)
13	Ñong bo ngang	Ñong bo ngang/doc	Khong sö dung
14	Ñong bo doc	Khong sö dung	Khong sö dung
15	Ñong ho (DDC)	Ñong ho (DDC)	Ñong ho (DDC)



Tìm hieu Bang ket noi

❸ ***Ket noi vôi bo DTV SET-TOP BOX, thiet bò VCR hoac ñau DVD***

- Cam day SCART cua cac thiet bò DTV, VCR hoac DVD vao cong SCART tren cac thiet bò ño.
- Neu muon ket noi ca 2 thiet bò DTV Set-Top Box va VCR (hoac DVD), ban phai ket noi thiet bò DTV vao thiet bò VCR (hoac DVD) tröôc, sau ño ket noi thiet bò VCR (hoac DVD) vao man hình.

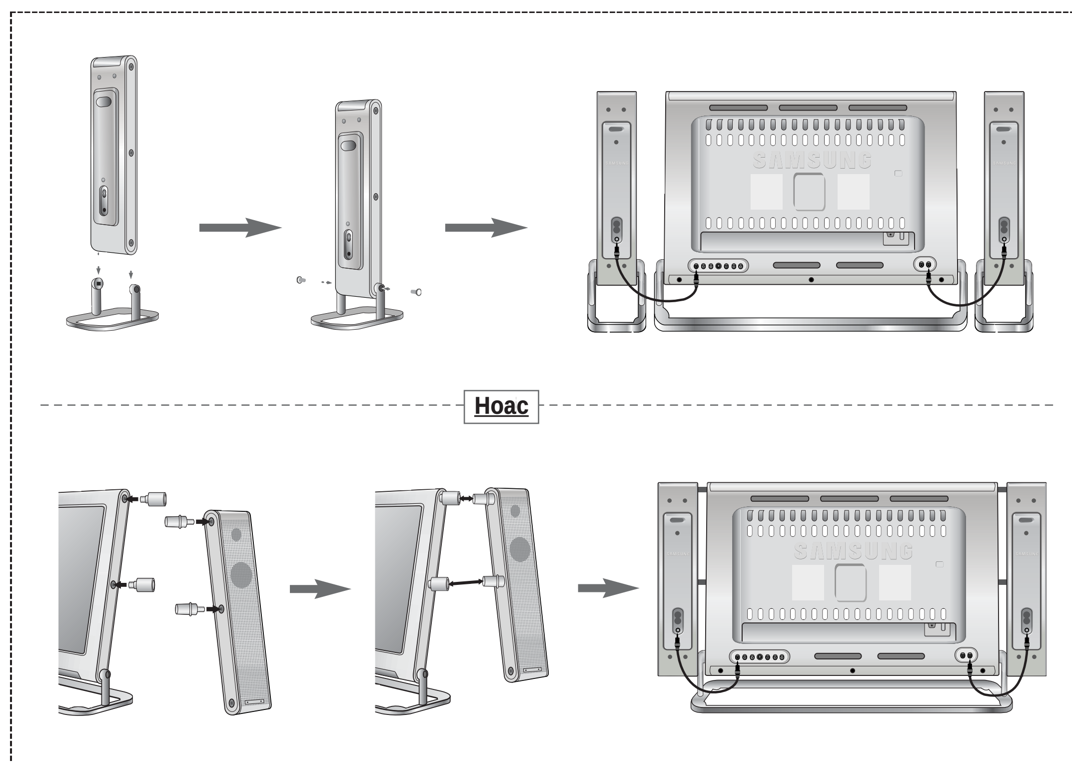
❹ ***Ket noi vôi cac thiet bò A/V khac***

- Cam day RCA hoac S-Video vao mot thiet bò A/V khac töông thích nhö VCR, DVD hoac may quay phim.
- Cam mot ñau cua cac day am thanh RCA vao cong "AUDIO(L)" va "AUDIO(R)" ô mat sau cua man hình va cam ñau kia vao cong am thanh töông öng tren thiet bò A/V.
- Ban co the cam headphone vao cong headphone (❼) ô mat sau cua man hình. Trong khi headphone ñang hoat ñong, ban se khong nghe ñöôc am thanh tö loa tích hôp.

❺ ***Ket noi vôi loa gan ngoai***

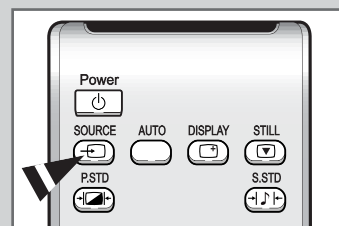
Cam cac day am thanh RCA vao bo loa gan ngoai co tích hôp san bo khuyech ñai (ñe ñat ñöôc hieu qua am thanh vom toi öu)

❻ ***Ket noi vôi loa*** (Ket noi vôi loa (tuy kieu man hình)



Xem hình anh tö cac nguon ben ngoai

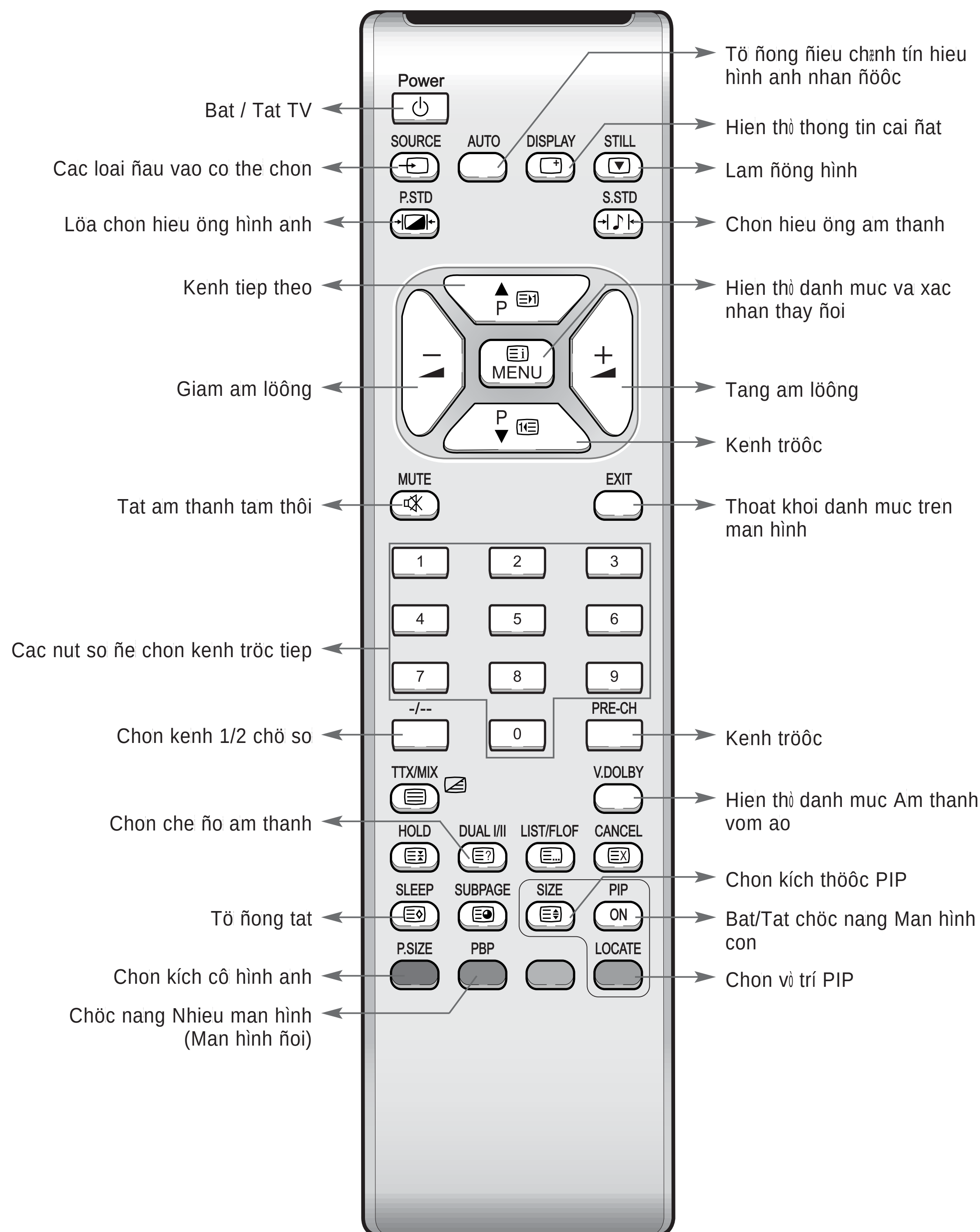
Mot khi ña ket noi vao cac he thong Audio/Video, ban co the xem hình anh tö cac nguon khac nhau bang cach chon ñung ngo vao töông öng.



1 Kiem tra xem tat ca cac ket noi can thiet ña ñöôc thöc hien chöa (tham khao trang 8 va 9 ñe biet them chi tiet).

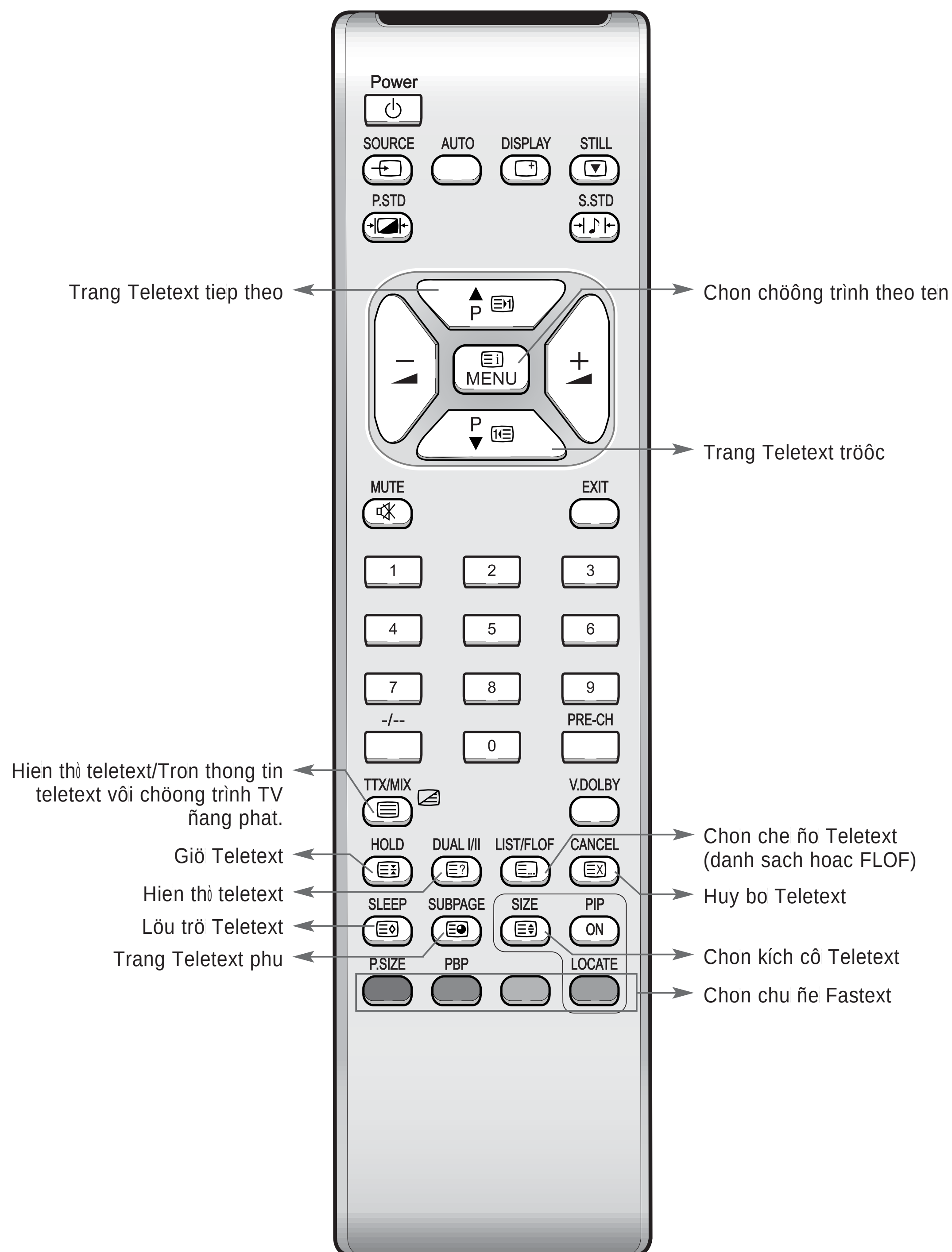
2 Bat man hình va neu can thiet, hay bam nut **SOURCE** nhieu lan. Cac loai ñau vao ñöôc hien thò theo thö tö sau:
Ant (TV) – **Scart** – **Video** – **S-Video** – **PC**.

Tìm hieu bo ñieu khien tö xa (Tat ca cac chöc nang trö chöc nang Teletext)

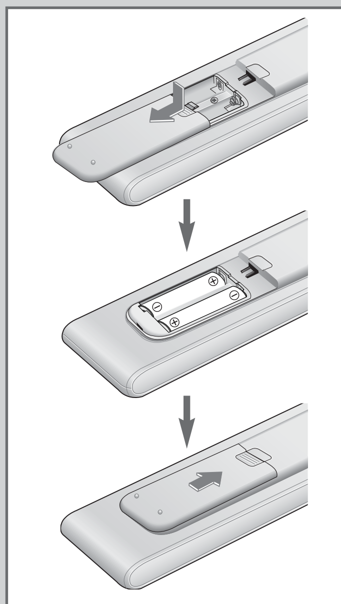


➢ Hoat ñong cua bo ñieu khien tö xa co the bỉ anh höông bôi anh sang choi.

Tìm hieu bo ñieu khien tö xa (Cac chöc nang Teletext)



Lap pin vao bo ñieu khien tö xa



Ban phai lap pin hoac thay pin cho bo ñieu khien tö xa khi ban:

- ***Mua TV***
- ***Nhan thay bo ñieu khien tö xa khong con hoat ñong bình thöông.***

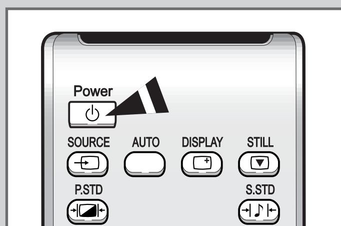
1 Mô nap sau cua bo ñieu khien tö xa bang cach nhan bieu töông chæ xuong va sau ño ñay nhanh theo höông mui ten.

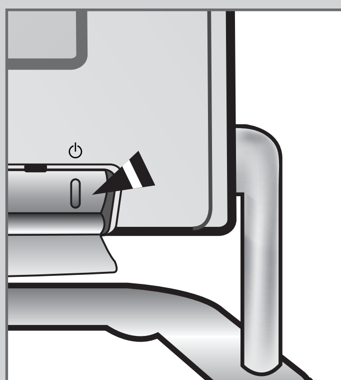
2 Lap hai pin 1,5V loai R03, UM4, "AAA" hoac töông ñöông va chu y lap theo ñung cac cöc:
- cöc **+** tren pin ñoi vôi cöc **+** tren bo ñieu khien tö xa
- cöc **–** tren pin nam ñoi vôi cöc **–** tren bo ñieu khien tö xa

3 Ñong nap bang cach ñat no thang hang vôi khe tren bo ñieu khien tö xa va ñay no vao lai vò trí.

➢ Khong nen dung chung nhieu loai pin khac nhau, ví du: loai kiem va loai mangan.

Cach bat va tat TV





Day ñien ñöôc gan phía sau man hình TV.

☛ Neu ban mua man hình nay ô Anh Quoc, hay xem trang 39 ñe biet them höông dan ve viec lap ñat day ñien.

Cam day ñien vao mot o cam thích hôp.

Ket qua: Man hình ñöôc bat len va ñen bao Standby (chô) mau xanh phía tröôc man hình se phat sang.

Ban co the ñe man hình TV ô che ño chô (Standby) ñe tiet kiem ñien. Che ño chô co the höu dung khi ban muon ngöng xem TV tam thôi (ví du: trong böõa an).

1 Nhan nut **Power** (⏻) tren bo ñieu khien tö xa hoac ô mat tröôc man hình.

Ket qua: Man hình se bò tat va ñen bao Standby (chô) mau xanh phía tröôc man hình se tat.

2 2 Ñe bat lai TV, chæ can nhan nut **Power** (⏻) lan nöa.

➢ Khong nen ñe TV ô che ño chô trong khoang thôi gian dai (ví du: khi ban ñi nghæ mat). Hay tat han man hình bang cach rut day ñien va ang-ten ra.

Tap sö dung bo ñieu khien tö xa

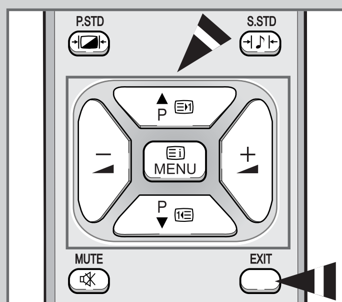
Bo ñieu khien tö xa ñöôc sö dung vôi muc ñích chính la:

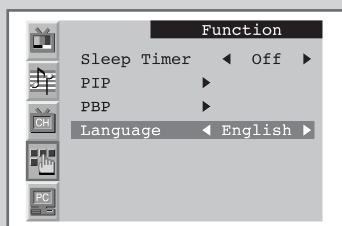
- ***Chuyen kenh va ñieu chænh am löông***
- ***Cai ñat man hình TV bang cach sö dung he thong danh muc tren man hình***

Bang döôi ñay giôi thieu mot so nut thöông sö dung nhat va chöc nang cua chung.

Nut	Chöc nang hien thò	Chöc nang danh muc
▲ P	Hien thò kenh ña löu ke tiep.	Chon tuy chon danh muc tröôc ño.
P ▼	Hien thò kenh ña löu tröôc ño.	Chon tuy chon danh muc tiep theo.
PRE-CH	Chuyen qua lai lien tuc giöa 2 kenh môi xem. (**PRE-CH**; Previous Channel)	
0 Ñe 9	Hien thò cac kenh co so töông öng.	
-/--	Chon mot kenh mang so 10 hoac lôn hôn. Nhan nut nay, bieu töông "**--**" se hien thò. Nhap so kenh co 2 chö so.	
–	Giam am löông.	Dung ñe... ◆ Hien thò danh muc con chöa cac muc löa chon cua danh muc hien hanh. ◆ Chuyen tôi/lui cac kenh theo cach thu cong. ◆ Giam gia trò mot tuy chon danh muc.
+	Tang am löông.	Dung ñe... ◆ Hien thò danh muc con chöa cac muc löa chon cua danh muc hien hanh. ◆ Chuyen tôi/lui cac kenh theo cach thu cong. ◆ Tang gia trò mot tuy chon danh muc.
MUTE	Tat am thanh tam thôi. ➢ Bat lai am thanh, nhan nut nay lan nöa, hoac nhan nut **–** hoac **+**.	
MENU	Hien thò he thong danh muc tren man hình.	Trô lai danh muc tröôc ño hoac che ño hien thò bình thöông.
EXIT	Thoat khoi he thong danh muc va trô lai ngay che ño man hình bình thöông.	

Chon ngon ngö



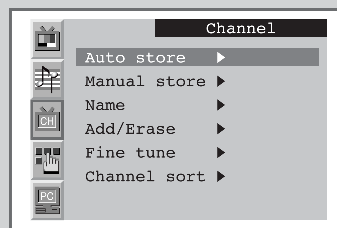


Khi ban sö dung TV lan ñau, ban phai chon ngon ngö ñe hien thò danh muc va cac thong bao (chæ so).

1	Nhan nut **MENU**. Ket qua: Danh muc chính se hien thò.
2	Nhan nut P▼ hoac P▲ ñe chon muc **Function**. Ket qua: Cac tuy chon co trong muc **Function** se hien thò.
3	Nhan nut ◢ **–** hoac ◢ **+**.
4	Nhan P▼ hoac nut P▲ ñe chon muc **Language**.
5	Chon mot ngon ngö cu the bang cach nhan nut ◢ **–** hoac ◢ **+** nhieu lan.
6	Khi ña chon xong ngon ngö ban muon, nhan nut **EXIT** ñe trô lai che ño man hình bình thöông.

Löu kenh tö ñong

Ban co the quet vung tan so co tac dung ô khu vöc cua ban (ñieu nay con phu thuoc vao nöôc ban). Cac so hieu chöông trình ñöôc löu tö ñong co the khong töông öng vôi so hieu that sö hoac so hieu mong muon cua chöông trình ño. Tuy nhien, ban co the sap xep cac so hieu bang tay va xoa bat cö kenh nao ban khong muon xem.



1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc **Channel**.

Ket qua: Cac muc löa chon trong nhom **Channel** se hien thò.



3 Nhan nut ◢ **–** hoac ◢ **+**.

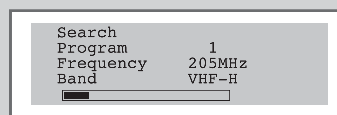
Ket qua: Muc **Auto Store** se ñöôc chon.

4 Nhan nut ◢ **–** hoac ◢ **+** lan nöa.

Ket qua: Cac muc löa chon trong nhom **Auto store** se hien thò cung vôi muc **Country** ñöôc chon.



5 Nhan nut ◢ **–** hoac ◢ **+** nhieu lan ñe chon nöôc cua ban. Ban co the chon nhöng nöôc sau: **Belgie** – **Deutschland** – **Espania** – **France** – **Italia** – **Nederland** – **Schweiz** – **Sverige** – **UK** – **East Europe**.



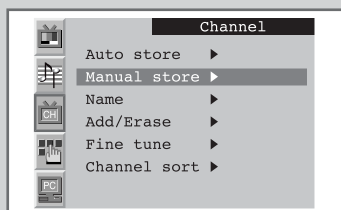
6 Nhan nut P▼ hoac P▲ ñe chon muc Search, sau ño nhan nut ◢ **–** hoac ◢ **+**.

Ket qua: Qua trình quet se tö ñong ket thuc. Cac kenh ñöôc sap xep va löu theo thö tö töông öng cua chung trong vung tan so, (vung tan so thap nhat se ñöng ñau, va vung tan so cao nhat se ñöng cuoi). Chöông trình ñöôc chon ban ñau se hien thò.

➢ Muon ngöng qua trình do kenh tröôc khi no ket thuc, hay nhan nut **EXIT**.

7 Khi cac kenh ña ñöôc löu, ban co the thöc hien cac thao tac sau:
- Ñoi kenh
- Ñat ten cho cac kenh ña löu (xem trang 19)
- Xoa kenh (xem trang 20)
- Tinh chænh chat löông thu kenh neu can thiet (xem trang 20).
- Sap xep chung theo thö tö yeu cau (xem trang 21)

Löu kenh thu cong



Ban co the löu toi ña 100 kenh TV, ke ca cac kenh truyen hình cap. Khi ban löu kenh thu cong, ban co cac löa chon sau:

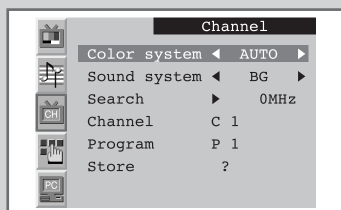
- ***Co löu moi kenh do ñöôc hay khong***
- ***So hieu chöông trình ma ban muon gan cho moi kenh ñöôc löu.***

1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc **Channel**.

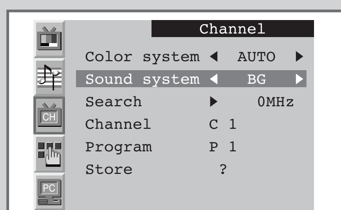
Ket qua: Cac muc löa chon trong nhom **Channel** se hien thò.



3 Nhan nut ◢ **–** hoac ◢ **+**.

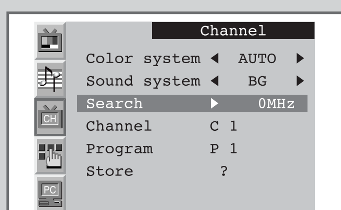
4 Nhan nut P▼ hoac P▲ ñe chon muc **Manual store**. Nhan nut ◢ **–** hoac ◢ **+** lan nöa.

Ket qua: Cac tuy chon co trong muc **Manual store** se hien thò cung vôi muc **Color System** ñöôc chon.



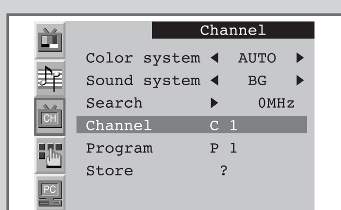
5 Neu can, ban co the xac ñònh chuan phat song can thiet bang cach nhan nut ◢ **–** hoac ◢ **+** nhieu lan.

Ket qua: Nhöng chuan mau se hien thò theo thö tö sau:
AUTO – PAL – SECAM – NT4.43.



6 Nhan nut P▼ hoac P▲ ñe chon muc Sound system. ban co the xac ñònh chuan am thanh can thiet bang cach nhan nut ◢ **–** hoac ◢ **+** nhieu lan.

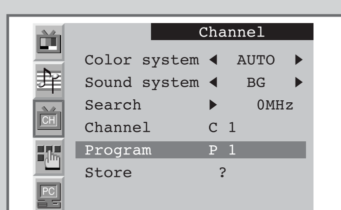
Ket qua: Cac chuan am thanh se hien thò theo thö tö sau:
BG – DK – I – L.



7 Neu ban biet so hieu kenh se ñöôc löu, nhan nut P▼ hoac P▲ ñe hon muc **Channel**. ban co the xac ñònh chuan am thanh can thiet bang cach nhan nut ◢ **–** hoac ◢ **+** nhieu lan.

Neu ban khong biet so hieu kenh, nhan nut P▼ hoac P▲ ñe chon muc **Search**. Nhan nut ◢ **–** hoac ◢ **+** ñe bat ñau do.

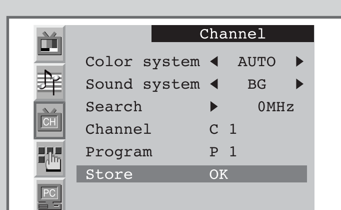
Ket qua: Bo do kenh se quet vung tan so cho ñen khi kenh ñau tien hoac kenh ban ña chon hien thò tren man hình.



8 Ñe gan so hieu chöông trình cho mot kenh, chon muc **Program** bang cach nhan nut P▼ hoac P▲. Nhan nut ◢ **–** hoac ◢ **+** ñe tìm so ñung.

9 Nhan nut P▼ hoac P▲ ñe chon muc **Store**. Chon **OK** bang cach nhan nut ◢ **–** hoac ◢ **+**.

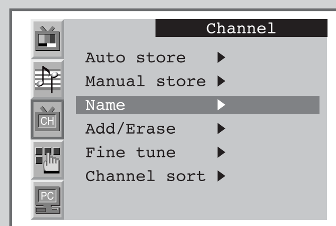
Ket qua: Kenh va so hieu chöông trình lien quan se ñöôc löu.

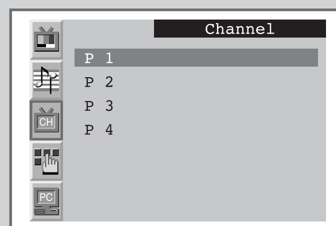


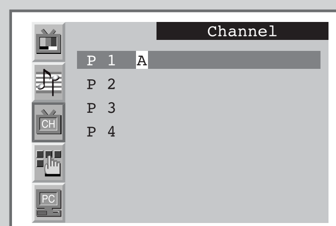
10 Lap lai cac böôc tö **7** ñen **9** cho moi kenh muon löu.

Ñat ten cho cac kenh

Neu thong tin ve ten kenh ñöôc phat vao thôi ñiem ban ñang löu kenh thu cong hoac tö ñong, ten kenh se ñöôc gan tröc tiep vao kenh. Tuy nhien, ban co the thay ñoi nhöng ten nay hoac ñat ten môi neu can thiet.

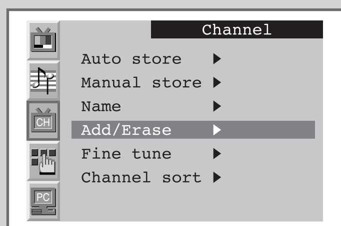


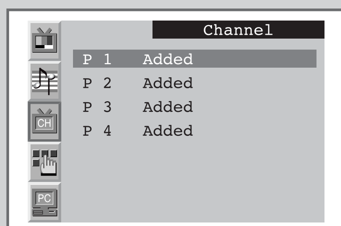


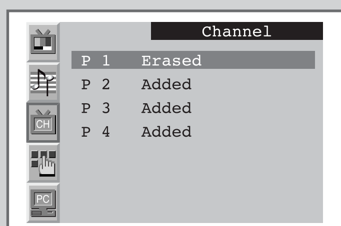


1	Nhan nut **MENU**. Ket qua: Danh muc chính se hien thò.
2	Nhan nut P▼ hoac P▲ ñe chon muc **Channel**. Ket qua: Cac muc löa chon trong nhom **Channel** se hien thò.
3	Nhan nut ◢ **–** hoac ◢ **+**.
4	Nhan nut P▼ hoac P▲ ñe chon muc **Name**. Nhan nut ◢ **–** hoac ◢ **+.** Ket qua: Cac kenh hien hanh se hien thò.
5	Neu can, nhan nut P▼ hoac P▲ ñe chon kenh ma ban muon ñat ten môi.
6	Nhan nut ◢ **–** hoac ◢ **+**.
7	Nhan nut P▼ hoac P▲ ñe chon mot ky tö (A ~ Z), con so (0~9) hoac bieu töông (-, khoang trang). Nhan nut ◢ **–** hoac ◢ **+** ñe chuyen ve ky tö tröôc ño hoac sang ky tö ke tiep.
8	Lap lai böôc **5** ñen **7** cho moi kenh ma ban muon ñat ten môi.

Boqua cac kenh khong muon xem





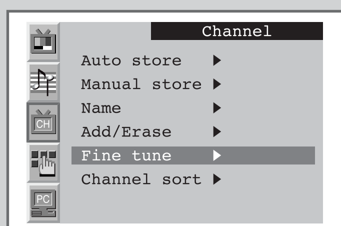


Ban co the chon nhöng kenh ma ban muon loai bo trong qua trình do kenh. Khi ban do qua cac kenh ña löu, nhöng kenh ban ña chon ñe bo qua se khong hien thò.

Tat ca nhöng kenh ban khong chon ñe loai bo se hien thò trong qua trình do kenh.

1	Nhan nut **MENU**. Ket qua: Danh muc chính se hien thò.
2	Nhan nut P▼ hoac P▲ ñe chon muc **Channel**. Ket qua: Cac muc löa chon trong nhom **Channel** se hien thò.
3	Nhan nut ◢ **–** hoac ◢ **+**.
4	Nhan nut P▼ hoac P▲ ñe chon muc **Add/Erase**. Nhan nut ◢ **–** hoac ◢ **+.** Ket qua: Cac kenh ña löu se hien thò.
5	Nhan nut P▼ hoac P▲ ñe chon kenh muon them hoac xoa. Neu can, nhan nut ◢ **–** hoac ◢ **+** ñe chon **Added** hoac **Erased**.
6	Lap lai böôc **5** cho moi kenh ma ban muon them vao hoac xoa.

Tinh chænh bat song kenh





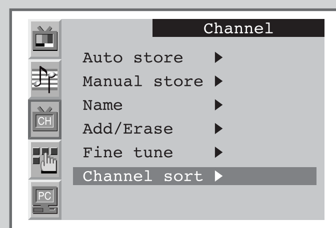
Neu tín hieu nhan ñöôc roi, ban khong can phai tinh chænh kenh, vì qua trình nay ñöôc thöc hien tö ñong trong luc do va löu kenh. Tuy nhien, neu tín hieu qua yeu hoac hình anh meo mo, ban co the phai tinh chænh kenh bang tay.

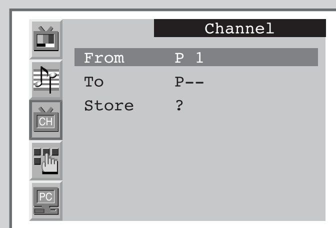
1	Nhan nut **MENU**. Ket qua: Danh muc chính se hien thò.
2	Nhan nut P▼ hoac P▲ ñe chon muc **Channel**. Ket qua: Cac muc löa chon trong nhom **Channel** se hien thò.
3	Nhan nut ◢ **–** hoac ◢ **+**.
4	Nhan nut P▼ hoac P▲ ñe chon muc **Fine tune**.
5	Nhan nut ◢ **–** hoac ◢ **+** ñe ñat ñöôc chat löông hình anh sac net, ro rang va chat löông am thanh tot.

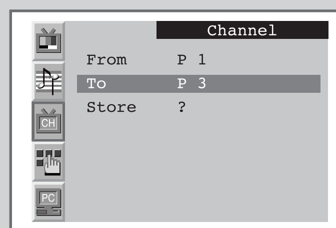
Sap xep cac kenh ña löu

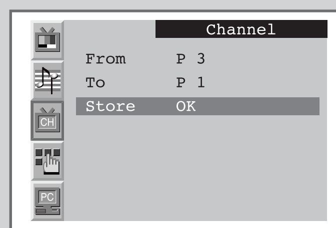
Ban co the hoan ñoi so hieu cua 2 kenh ñe:

- ***Ñieu chænh lai so thö tö ma cac kenh ña ñöôc tö ñong löu.***
- ***Gan so de nhô cho nhöng kenh ban xem thöông xuyen nhat.***









1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc **Channel**.

Ket qua: Cac muc löa chon trong nhom **Channel** se hien thò.

3 Nhan nut ◢ **–** hoac ◢ **+**.

4 Nhan nut P▼ hoac P▲ ñe chon muc **Channel sorting**.
Nhan nut ◢ **–** hoac ◢ **+.**

Ket qua: Cac tuy chon co trong muc **Channel sorting** se hien thò cung vôi muc **From** ñöôc chon.

5 Nhan nhieu lan nut ◢ **–** hoac ◢ **+** ñe chon so hieu kenh ban muon thay ñoi.

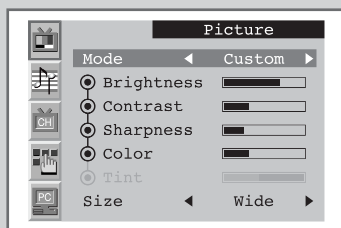
6 Nhan nut P▼ hoac P▲ ñe chon muc **To**. Nhan nut ◢ **–** hoac ◢ **+** nhieu lan ñe chon con so môi ma ban muon gan cho kenh nay.

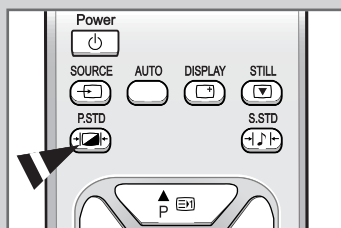
7 Nhan nut P▼ hoac P▲ ñe chon muc **Store**. Nhan nut ◢ **–** hoac ◢ **+** ñe chon **OK** nham xac nhan viec hoan ñoi so hieu kenh.

Ket qua: Kenh ñöôc chon ñöôc hoan ñoi vôi kenh ñöôc löu tröôc ño theo so hieu kenh ña chon.

8 Muon chuyen tat ca cac kenh tôi so hieu kenh can thiet, hay lap lai böôc **5** ñen **7** sau khi chon muc **From** bang cach nhan nut P▼ hoac P▲.

Thay ñoi chuan hình anh





Ban co the chon loai hình anh thích öng nhat vôi yeu cau cua ban.

1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc **Picture**.

Ket qua: Cac muc löa chon trong nhom **Picture** se hien thò.

3 Nhan nut ◢ **–** hoac ◢ **+**.

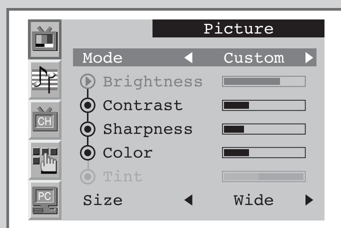
Ket qua: Muc **Mode** ñöôc chon.

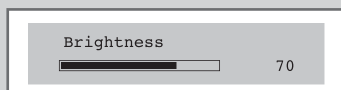
4 ban co the xac ñònh chuan am thanh can thiet bang cach nhan nut ◢ **–** hoac ◢ **+** nhieu lan. Ban co the chon nhöng hieu öng hình anh sau:
Custom – **Standard** – **Natural** – **Mild**.

➢ Ban cung co the cai ñat nhöng tuy chon nay chæ bang cach can nhan nut **P.STD** (Chuan Hình Anh).

➢ Ô danh muc **Picture**, neu ban thay ñoi gia trò cac muc **Contrast** (töông phan), **Brightness** (ño sang), **Sharpness** (ño net), **Color** (mau), hoac **Tint** (sac thai) (chæ danh cho he NTSC), muc **Custom** se ñöôc chon tö ñong.

Ñieu chænh cac thong so hình anh





Man hình TV cua ban co mot so muc thong so cho phep ban ñieu chænh chat löông hình anh.

1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc **Picture**.

Ket qua: Cac muc löa chon trong nhom **Picture** se hien thò.

3 Nhan nut ◢ **–** hoac ◢ **+**.

4 Nhan nut P▼ hoac P▲ ñe chon thong so (**Brightness, Contrast, Sharpness, Color** hoac **Tint**- chæ danh cho he NTSC) can ñieu chænh. Nhan nut ◢ **–** hoac ◢ **+**.

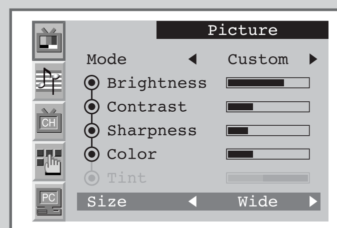
Ket qua: Mot thanh ngang se hien thò.

5 Nhan nut ◢ **–** hoac ◢ **+** ñe chon thong so can thiet.

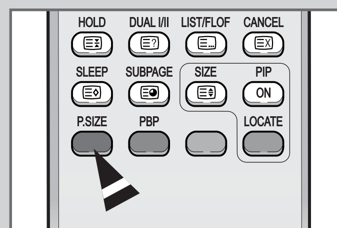
➢ Neu ban thöc hien bat ky thay ñoi nao, chuan am thanh se tö ñong chuyen sang che ño **Custom**.

Chon dang hình anh

Ban co the chon loai hình anh thích öng nhat vôi yeu cau cua ban.

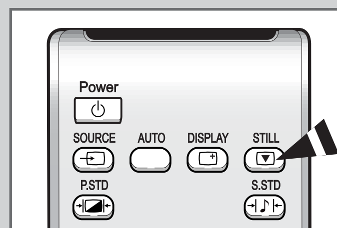


1	Nhan nut **MENU**. Ket qua: Danh muc chính se hien thò.
2	Nhan nut P▼ hoac P▲ ñe chon muc **Picture**. Ket qua: Cac muc löa chon trong nhom **Picture** se hien thò.
3	Nhan nut ◢ **–** hoac ◢ **+**.
4	Nhan nut P▼ hoac P▲ ñe chon muc **Size**.
5	Ban co the xac ñònh chuan am thanh can thiet bang cach nhan nut ◢ **–** hoac ◢ **+** nhieu lan. Ban co the chon nhöng hieu öng hình anh sau: **Wide** – **Normal 1** – **Normal 2** – **Zoom 1** – **Zoom 2**. ➢ Ban cung co the cai ñat nhöng tuy chon nay chæ bang cach can nhan nut **P.SIZE** (Kích thöôc hình anh).

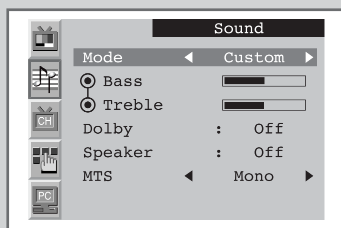


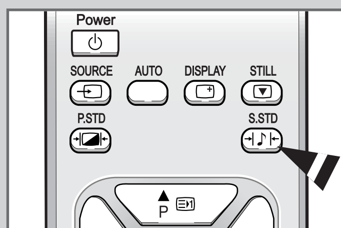
Lam ñöng khung hình hien tai

Nhan nut STILL tren bo ñieu khien tö xa ñe lam ñöng hình trong mot khung hình.
Ñe trô lai man hình bình thöông, nhan nut STILL lan nöa.



Thay ñoi chuan am thanh





Ban co the dung bo ñieu khien tö xa ñe chon loai hieu öng am thanh ñac biet muon sö dung khi xem mot chöông trình.

1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc **Sound**.

Ket qua: Cac muc löa chon trong nhom **Sound** se hien thò.

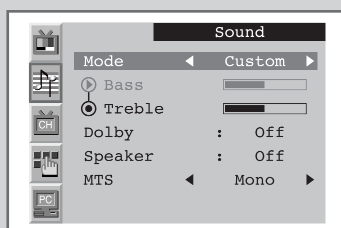
3 Nhan nut ◢ **–** hoac ◢ **+**.

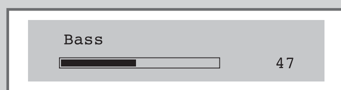
Ket qua: Muc **Mode** ñöôc chon.

4 Ban co the xac ñònh chuan am thanh can thiet bang cach nhan nut ◢ **–** hoac ◢ **+** nhieu lan. Nhöng hieu öng am thanh sau ñay co tac dung:
Custom – Standard – Music – Movie – Speech.

➢ Ban cung co the cai ñat nhöng tuy chon nay chæ bang cach can nhan nut **S.STD** (Chuan am thanh).

Cach ñieu chænh cac thong so am thanh





Ban co the ñieu chænh cac muc thong so am thanh sau ñe phu hôp vôi sô thích cua mình.

1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc **Sound**.

Ket qua: Cac muc löa chon trong nhom **Sound** se hien thò.

3 Nhan nut ◢ **–** hoac ◢ **+**.

4 Nhan nut P▼ hoac P▲ ñe chon tuy chon (**Bass** hoac **Treble**) can ñieu chænh. Nhan nut ◢ **–** hoac ◢ **+**.

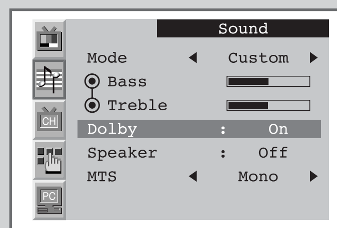
Ket qua: Mot thanh ngang se hien thò.

5 Nhan nut ◢ **–** hoac ◢ **+** ñe chon thong so can thiet.

➢ Neu ban thöc hien bat ky thay ñoi nao, chuan am thanh se tö ñong chuyen sang che ño **Custom**.

Thöông thöc am thanh vom (Dolby)

Chöc nang nay mang lai hieu öng am thanh vom ao tai nha bang cach phoi hôp hai loa trai va phai.



1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò.

2 Nhan P▼ hoac nut P▲ ñe chon muc **Sound**.

Ket qua: Cac muc löa chon trong nhom **Sound** se hien thò.

3 Nhan nut ◢ **–** hoac ◢ **+**.

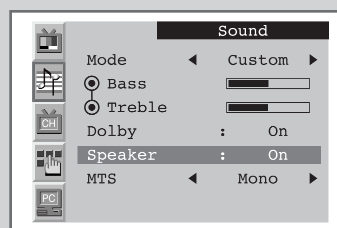
4 Nhan nut P▼ hoac P▲ ñe chon muc **Dolby**.

5 Nhan nut ◢ **–** hoac ◢ **+** ñe chon muc **On** nham truyen am thanh vao cac loa tích hôp.

➢ Ban cung co the chon tuy chon nay chæ can nhan nut **V.DOLBY** (Am thanh vom ao).

Bat/Tat loa tích hôp

Khi loa tích hôp bò tat, tat ca am thanh se ñöôc truyen qua loa gan ngoai.



1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc **Sound**.

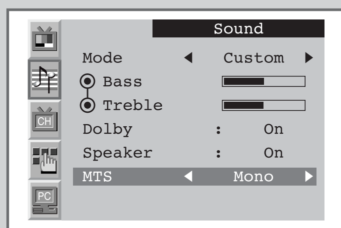
Ket qua: Cac muc löa chon trong nhom **Sound** se hien thò.

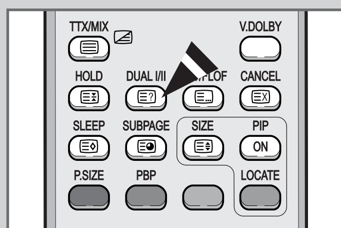
3 Nhan nut ◢ **–** hoac ◢ **+**.

4 Nhan nut P▼ hoac P▲ ñe chon muc **Speaker**.

5 Nhan nut ◢ **–** hoac ◢ **+** ñe chon muc **On** nham truyen am thanh vao cac loa tích hôp.

Chon chöc nang MTS (Multichannel Television Stereo)





Tuy theo chöông trình cu the ñang ñöôc phat song, ban co the nghe bang Stereo, Mono hoac Dual I/II (Dual I/II thöông la mot chöc nang dòch ngon ngö nöôc ngoai)

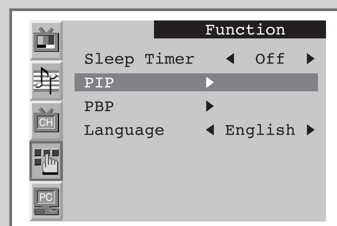
1	Nhan nut **MENU**. <u>Ket qua</u>: Danh muc chính se hien thò.
2	Nhan nut P▼ hoac P▲ ñe chon muc **Sound**. <u>Ket qua</u>: Cac muc löa chon trong nhom **Sound** se hien thò.
3	Nhan nut ◢ **–** hoac ◢ **+**.
4	Nhan nut P▼ hoac P▲ ñe chon muc **MTS**.
5	Ban co the xac ñònh chuan am thanh can thiet bang cach nhan nut ◢ **–** hoac ◢ **+** nhieu lan. Cac chuan am thanh se hien thò theo thö tö sau: **Mono** – **Stereo** – **Dual 1** – **Dual 2.**

Ban cung co the cai ñat nhöng tuy chon nay chæ bang cach can nhan nut S.STD (Chuan am thanh). Nut "DUAL I/II" hien thò/ñieu khien viec thi hanh va xuat tín hieu am thanh.

➢
- Neu ñieu kien bat song trô nen xau ñi, ban se nghe ñöôc am thanh de dang hôn neu che ño am thanh ñöôc chuyen ve **Mono**.
- Neu tín hieu Stereo bò yeu va xay ra hien töông tö ñong chuyen che ño, ban hay chuyen qua che ño **Mono**.
- Khi nhan tín hieu am thanh Mono ô che ño AV, hay cam day am thanh vao cong "AUDIO (L)" ô mat sau man hình.

Bat chöc nang Man hình con (PIP)

Ban co the cho hien thò mot man hình con nam trong man hình chính cua chöông trình TV hoac man hình hien thò noi dung cua cac thiet bò AV khac nhö VCR hoac DVD. Theo cach nay ban co the vöa xem chöông trình TV hoac quan sat hình anh nhap vao tö bat cö thiet bò nao ñöôc ket noi trong khi van xem chöông trình TV hoac hình anh nhap tö nhöng nguon khac.

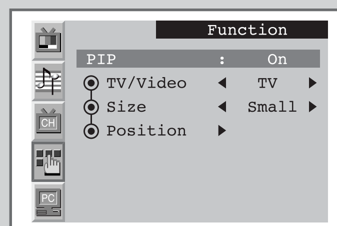


1 Nhan nut MENU.

Ket qua: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc **Function**.

Ket qua: Cac muc löa chon trong nhom **Function** se hien thò.



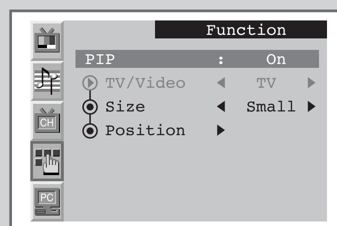
3 Nhan nut ◢ **–** hoac ◢ **+**.

4 Nhan nut P▼ hoac P▲ ñe chon muc **PIP**. Nhan nut ◢ **-** hoac ◢ **+**.

Ket qua: Cac muc löa chon trong nhom **PIP** se hien thò.

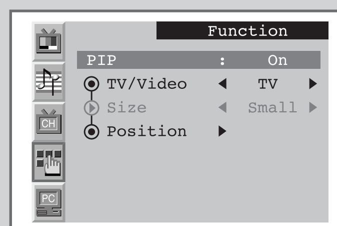
5 Nhan nut ◢ **–** hoac ◢ **+** ñe chon muc **On**.

➢ Ban cung co the chæ can nhan nut **PIP ON** ñe bat chöc nang PIP. Ñe tat chöc nang nay, nhan nut ño lan nöa.



6 Nhan nut P▼ hoac P▲ ñe chon muc **TV/Video**. Nhan nut ◢ **–** hoac ◢ **+** ñe chon nguon hình cho man hình con.

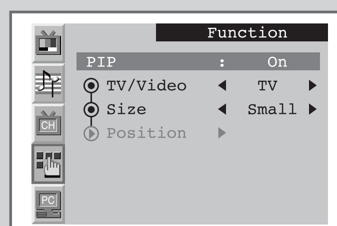
Ket qua: Cac nguon hình anh se hien thò theo thö tö sau: **TV** – **Scart** – **Video** – **S-Video**.



7 Nhan nut P▼ hoac P▲ ñe chon muc **Size**. Nhan nut ◢ **–** hoac ◢ **+** ñe chon kích cô cho man hình con.

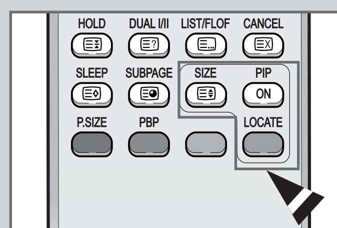
Ket qua: Cac kích cô se hien thò theo thö tö sau: **Small** – **Medium** – **Large**.

➢ Ban cung co the cai ñat nhöng tuy chon nay chæ bang cach can nhan nut **SIZE**.

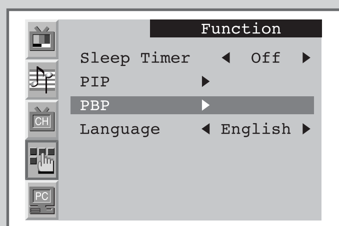


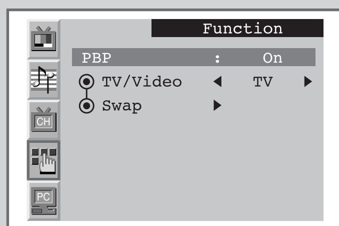
8 Nhan nut P▼ hoac P▲ ñe chon muc **Position**. Di chuyen man hình con ngöôc chieu kim ñong ho bang cach nhan nut ◢ **–** hoac ◢ **+**.

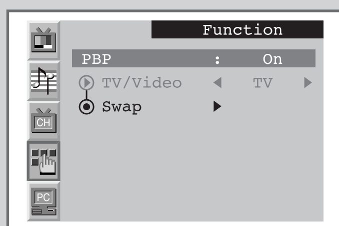
➢ Ban cung co the di chuyen man hình con chæ can nhan nut **LOCATE**.

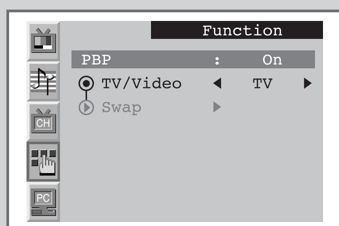


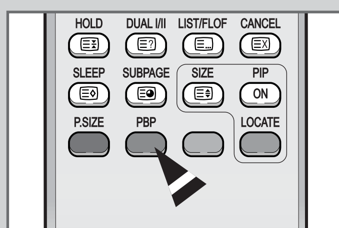
Bat chöc nang Nhieu man hình (PBP; Man hình ñoi)











Khi co nhöng thiet bò AV khac (PC, VCR hoac DVD) ñöôc ket noi vôi man hình hoac khi ñang xem TV, ban co the cho hien thò hai nguon hình cung luc tren man hình.

1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc **Function**.

Ket qua: Cac muc löa chon trong nhom **Function** se hien thò.

3 Nhan nut ◢ – hoac ◢ +.

4 Nhan nut P▼ hoac P▲ ñe chon muc **PBP**. Nhan nut ◢ - hoac ◢ +.

Ket qua: Cac muc löa chon trong nhom **PBP** se hien thò.

5 Nhan nut ◢ – hoac ◢ + ñe chon muc **On**.

➢ Ban cung co the chæ can nhan nut PBP ñe bat chöc nang **PBP**. Ñe tat chöc nang nay, nhan nut ño lan nöa.

6 Nhan nut P▼ hoac P▲ ñe chon muc **TV/Video**. Nhan nut ◢ – hoac ◢ + ñe chon nguon hình cho man hình phu.

Ket qua: Cac nguon hình anh se hien thò theo thö tö sau: **TV** – **Scart** – **Video** – **S-Video**.

7 Nhan nut P▼ hoac P▲ ñe chon muc **Swap**.

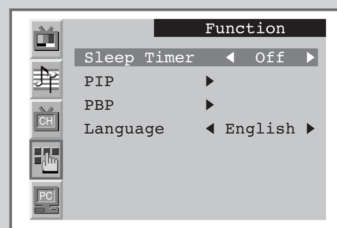
8 Nhan nut ◢ – hoac ◢ +.

Ket qua: Man hình chính va man hình phu hoan ñoi cho nhau.

➢ Ban cung co the lam viec nay ma chæ can nhan nut **PBP**.

Chöc nang tö ñong tat

Ban co the chon mot khoang thôi gian tö 10 phut ñen 240 phut sau khi ña cai ñat chöc nang tö ñong tat.



1 Nhan nut **MENU**.

<u>Ket qua</u>: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc **Function**.

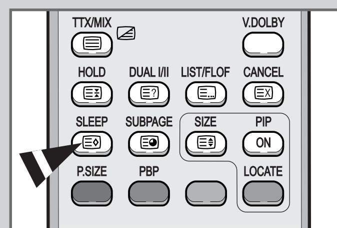
<u>Ket qua</u>: Cac muc löa chon trong nhom **Function** se hien thò.

3 Nhan nut ◢ **–** hoac ◢ **+**.

<u>Ket qua</u>: Muc **Sleep Timer** ñöôc chon.

4 Nhan nut ◢ **–** hoac ◢ **+** nhieu lan ñe chon so phut ma sau ño man hình se tat.

◆ Ban co the cai ñat cho man hình tö ñong tat sau nhöng khoang thôi gian döôi ñay: 10, 20, 30, 60, 90, 120, 150, 180, 210 va 240 phut.

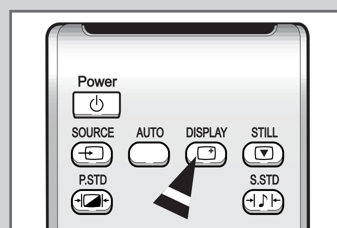


➢ **Ban cung co the chæ can nhan nut "SLEEP" ñe chon so phut.**

Neu bo ñem thôi gian tat ña ñöôc cai ñat, man hình se hien thò so thôi gian con lai va sau ño man hình se tat. Neu bo ñem thôi gian tat chöa ñöôc cai ñat, man hình se hien thò Off.

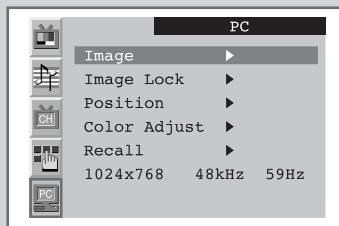
Chöc nang hien thò thong tin

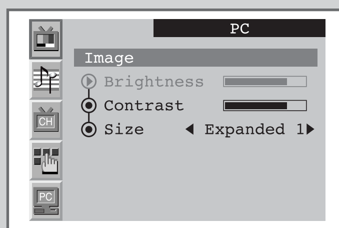
Ban co the xem cac thong so cai ñat hien tai cua mot nguon ña chon bang cach nhan nut "DISPLAY" tren bo ñieu khien tö xa. Thong tin ñöôc hien thò se khac nhau tuy theo nguon ñöôc chon.

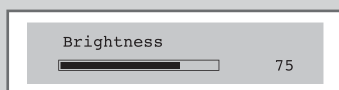


Ñieu chænh ño sang va ño töông phan

Nhan nut **SOURCE** ñe cai san che ño PC.







1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc '**PC**'.

Ket qua: Cac muc löa chon trong nhom **PC** se hien thò.

3 Nhan nut – hoac +.

Ket qua: Muc **Image** ñöôc chon.

4 Nhan nut – hoac + lan nöa.

Ket qua: Cac tuy chon co trong muc **Image** se hien thò.

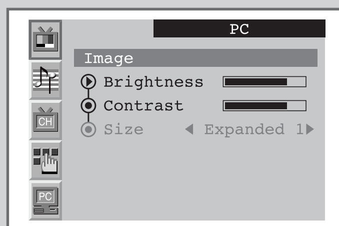
5 Nhan nut P▼ hoac P▲ ñe chon tuy chon can ñieu chænh (**Brightness** hoac **Contrast**) cho mau sac cua hình anh may tính. Nhan nut – hoac +.

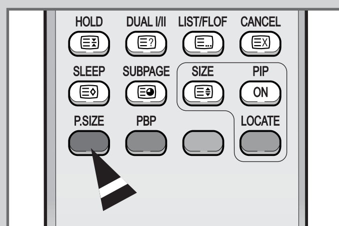
Ket qua: Mot thanh ngang se hien thò.

6 Nhan nut – hoac + ñe chon gia trò can thiet.

Chon kích cô hình anh

Nhan nut **SOURCE** ñe cai san che ño PC.





1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc **PC**.

Ket qua: Cac tuy chon co trong muc **PC** se hien thò.

3 Nhan nut – hoac +.

Ket qua: Muc **Image** ñöôc chon.

4 Nhan nut – hoac + lan nöa.

Ket qua: Cac tuy chon co trong muc **Image** se hien thò.

5 Nhan nut P▼ hoac P▲ ñe chon muc **Size**. Nhan nut – hoac + ñe chon mot kích cô cho hình anh may tính.

Ket qua: Cac kích cô se hien thò theo thö tö sau: **Expanded 1** – **Expanded 2** – **Normal**.

Ban cung co the cai ñat nhöng tuy chon nay chæ bang cach can nhan nut **P.SIZE** (Kích thöôc hình anh).

Ñieu chænh chat löông hình anh

Nhan nut **SOURCE** ñe cai san che ño PC.

Chöc nang nay ñööc dung ñe tinh chænh va cho chat löông hình anh tot nhat bang cach loai bo nhieu lam cho hình anh khong on ñònh do co rang cöa va bong mô.

1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò..

2 Nhan nut P▼ hoac P▲ ñe chon muc **PC**.

Ket qua: Cac tuy chon co trong muc **PC** se hien thò.

3 Nhan nut ◢ **–** hoac ◢ **+**.

4 Nhan nut P▼ hoac P▲ ñe chon muc **Image Lock**. Nhan nut ◢ **–** hoac ◢ **+**.

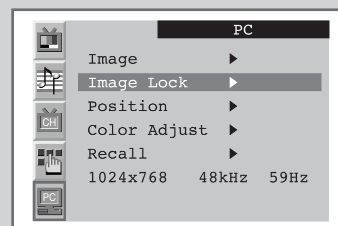
Ket qua: Cac tuy chon co trong muc **Image Lock** se hien thò.

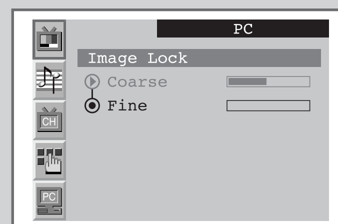
5 Nhan nut P▼ hoac P▲ ñe chon tuy chon can ñieu chænh (**Coarse** hoac **Fine**) cho chat löông mau cua hình anh may tính. Nhan nut ◢ **–** hoac ◢ **+**.

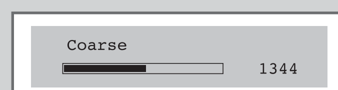
Ket qua: Mot thanh ngang se hien thò.

6 Nhan nut ◢ **–** hoac ◢ **+** ñe chon gia trò can thiet.

Chöc nang nay co the thay ñoi ño rong cua hình anh. Neu can, hay ñieu chænh vò trí hình vao giöa.







Thay ñoi vò trí hình anh

Nhan nut **SOURCE** ñe cai san che ño PC.

1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc **PC**.

Ket qua: Cac tuy chon co trong muc **PC** se hien thò.

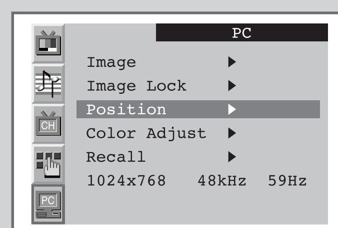
3 Nhan nut ◢ **–** hoac ◢ **+**.

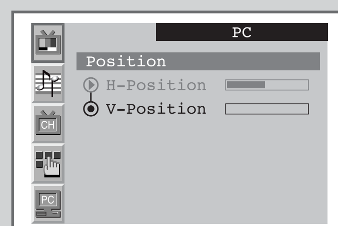
4 Nhan nut P▼ hoac P▲ ñe chon muc **Position**. Nhan nut ◢ **–** hoac ◢ **+**.

5 Nhan nut P▼ hoac P▲ ñe chon vò trí can ñieu chænh (**H-Position** hoac **V-Position**). Nhan nut ◢ **–** hoac ◢ **+**.

Ket qua: Mot thanh ngang se hien thò.

6 Nhan nut ◢ **–** hoac ◢ **+** ñe chon gia trò can thiet.

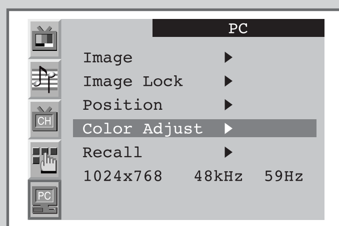


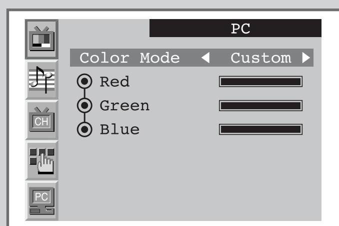


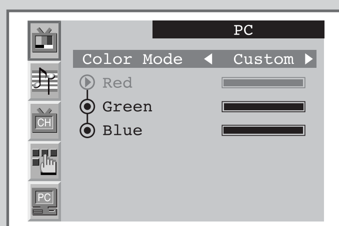


Ñieu chænh mau

➢ Nhan nut **SOURCE** ñe cai san che ño PC.









1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc **PC**.

Ket qua: Cac tuy chon co trong muc **PC** se hien thò.

3 Nhan nut ◢ **–** hoac ◢ **+**.

4 Nhan nut P▼ hoac P▲ ñe chon muc **Color Adjust**. Nhan nut ◢ **–** hoac ◢ **+**.

Ket qua: Cac tuy chon co trong muc **Color Adjust** se hien thò cung vôi muc **Color Mode** ñöôc chon.

5 Nhan nut ◢ **–** hoac ◢ **+** nhieu lan ñe chon che ño mau can thiet. Ban co the chon nhöng che ño mau sau: **Custom** – **Color 1** – **Color 2** – **Color 3**.

6 Neu muon ñieu chænh mau cho phu hôp nhat vôi yeu cau cua ban, nhan nut P▼ hoac P▲ ñe chon cac tuy chon (**Red**, **Green** hoac **Blue**) can ñieu chænh. Nhan nut ◢ **–** hoac ◢ **+**.

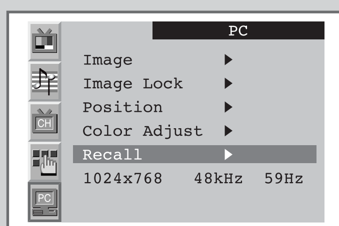
Ket qua: Mot thanh ngang se hien thò.

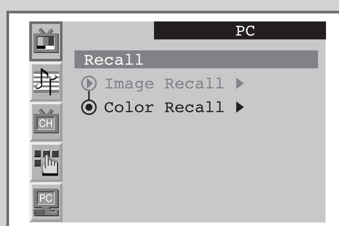
7 Nhan nut ◢ **–** hoac ◢ **+** ñe chon gia trò can thiet.

➢ Neu ban thay ñoi cac gia trò **Red**, **Green** hoac **Blue**, muc **Color Mode** se tö ñong ñöôc chuyen ve **Custom**.

Cai ñat lai gia trò goc cac thong so hình anh

➢ Nhan nut **SOURCE** ñe cai san che ño PC.





Ban co the thay tat ca cac thong so hình anh bang gia trò mac ñònh khi man hình ñöôc xuat xöông.

1 Nhan nut **MENU**.

Ket qua: Danh muc chính se hien thò.

2 Nhan nut P▼ hoac P▲ ñe chon muc **PC**.

Ket qua: Cac tuy chon co trong muc **PC** se hien thò.

3 Nhan nut ◢ **–** hoac ◢ **+**.

4 Nhan nut P▼ hoac P▲ ñe chon muc **Recall**. Nhan nut ◢ **-** hoac ◢ **+**.

Ket qua: Cac tuy chon co trong muc **Recall** se hien thò.

5 Nhan nut P▼ hoac P▲ ñe chon tuy chon (**Image Recall** hoac **Color Recall**) can thay the. Nhan nut ◢ **–** hoac ◢ **+**.

Ket qua: Man hình se chuyen sang mau ñen va sau vai giay se trô lai che ño hien thò nguyen thuy.

Cac che ño hien thò

Neu tín hieu thu ñöôc hôp chuan, man hình se tö ñong hieu chænh. Neu tín hieu tö he thong may tính khong töông ñöông vôi che ño tín hieu chuan, hay ñieu chænh che ño hien thò bang cach tham khao them Sach höông dan sö dung cua card man hình vì man hình co the khong hien thò hoac chæ co ñen bao ñien bat sang. Vôi nhöng che ño hien thò ñöôc liet ke döôi ñay, hình anh hien thò tren man hình ña ñöôc toi öu hoa trong qua trình san xuat.

Che ño	Ño phan giai	Tan so quet ngang (kHz)	Tan so quet doc (Hz)	Tan so ñiem anh (MHz)	Cöc tính ñong bo (H/V)
VGA	720 x 400	31.469	70.087	28.322	– / +
	640 x 480	31.469	59.940	25.175	– / –
	640 x 480	37.500	75.000	31.500	– / –
	640 x 480	43.269	85.008	36.000	– / –
SVGA	800 x 600	46.875	75.000	49.500	+ / +
	800 x 600	53.674	85.061	56.250	+ / +
XGA	1024 x 768	48.363	60.004	65.000	– / –
	1024 x 768	60.023	75.029	78.750	+ / +
	1024 x 768	68.677	84.997	94.500	+ / +
SXGA	1280 x 1024	63.981	60.020	108.000	+ / –, + / –
	1280 x 1024	79.976	75.025	135.000	+ / +
UXGA	1600 x 1200	75.000	60.000	162.000	+ / –, + / –
WUXGA (SyncMaster 241MP)	1920 x 1200	75.000	60.000	193.156	+ / –, + / –

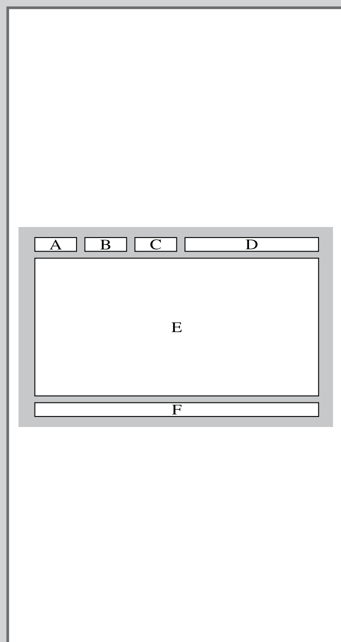
Chöc nang tiet kiem ñien

Man hình nay co mot he thong quan ly ñien nang tích hôp ñöôc goi la Tiet Kiem Ñien. He thong nay tiet kiem ñien bang cach chuyen man hình sang che ño dung ít nang löông khi no khong ñöôc sö dung trong mot khoang thôi gian nhat ñònh. Ban co the chon cac che ño "On", "Standby", "Sleep" va "Deep Sleep". Chöc nang Tiet Kiem Ñien hoat ñong vôi mot card man hình töông thích chuan VESA DPMS ñöôc cai ñat trong may tính. Ban phai dung mot phan mem tien ích cai ñat trong may tính ñe thiet lap chöc nang nay.

Trang thai	Hoat ñong bình thöông	Che ño Chöc nang tiet kiem ñien(EPA/NUTEK)
Ñong bo truc ngang	Ñang hoat ñong	Khong hoat ñong
Ñong bo truc doc	Ñang hoat ñong	Khong hoat ñong
Ñen bao co ñien	Xanh	Nhap nhay (khoang cach 1 giay)
Cong suat tieu thu	SyncMaster 211MP : 110W (Toi ña) SyncMaster 241MP : 120W (Toi ña)	Ít hôn 8W

➢ ***Man hình se tö ñong trô ve hoat ñong bình thöông khi ñong bo truc ngang va ñong bo truc doc trô lai. Hien töông nay xay ra khi ban di chuyen chuot may tính hoac nhan mot phím tren ban phím.***

Chöùc naêng Teletext



Haàu heát caùc keânh truyeàn hình ñeàu cung caáp dòch vuï thoâng tin chöõ thoâng qua teletext. Thoâng tin cung caáp bao goàm:

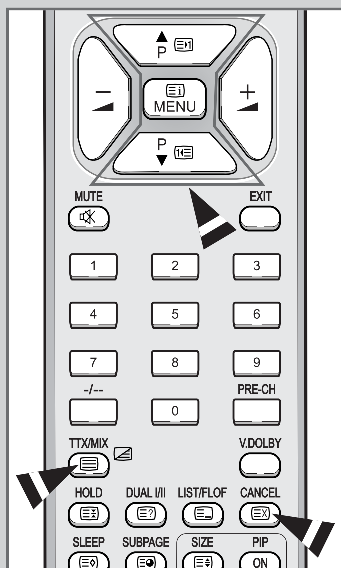
- ***Thôøi gian caùc chöông trình truyeàn hình***
- ***Baûn tin vaø Dö ï baùo thôøi tieát***
- ***Tin theå thao***
- ***Thoâng tin du lòch***

Caùc thoâng tin naøy ñöôïc chia thaønh trang coù ñaùnh soá (xem bieåu ñoà).

Phaàn	Noäi dung
A	Soá trang ñöôïc choïn.
B	Nhaän daïng keânh ñang phaùt.
C	Soá trang hieän haønh hoaëc thoâng baùo doø tìm.
D	Ngaøy vaø giôø.
E	Vaên baûn.
F	Thoâng tin traïng thaùi.
	Thoâng tin FASTEXT.

➢ Thoâng tin Teletext thöôøng ñöôïc chia thaønh nhieàu trang hieån thò theo thöù töï. Baïn coù theå truy caäp baèng caùch:
- Nhaäp soá trang
- Choïn moät chuû ñeà trong danh saùch
- Choïn moät tieâu ñeà maøu (heä thoáng FASTEXT)

Hieån thò Thoâng tin Teletext



Baïn coù theå cho hieån thò thoâng tin Teletext treân maøn hình baát cöù luùc naøo.

☛ Ñeå thoâng tin Teletext ñöôïc hieån thò ñuùng, vieäc baét soùng keânh phaûi oån ñònh; neáu khoâng:
- Thoâng tin coù theå thaát laïc
- Moät soá trang coù theå khoâng xem ñöôïc

1	Söû duïng nuùt P▼ hay P▲ ñeå choïn keânh cung caáp dòch vuï teletext.
2	Nhaán nuùt **TTX/MIX** ñeå kích hoaït cheá ñoä teletext. Keát quaû: Trang chöùa noäi dung seõ hieån thò. Coù theå xem laïi trang naøy baát kyø luùc naøo baèng caùch nhaán nuùt (index).
3	Neáu baïn muoán hieån thò chöông trình ñang phaùt song cuøng luùc vôùi trang teletext, nhaán nuùt **TTX/MIX** laàn nöõa.
4	Ñeå trôû laïi maøn hình bình thöôøng, nhaán nuùt **CANCEL** ().
5	Nhaán nuùt **TTX/MIX** laàn nöõa ñeå thoaùt khoûi cheá ñoä hieån thò teletext.

Chon mot trang bang so

Ban co the nhap so trang tröc tiep bang cach nhan nut so tren boi ñieu khien tö xa.

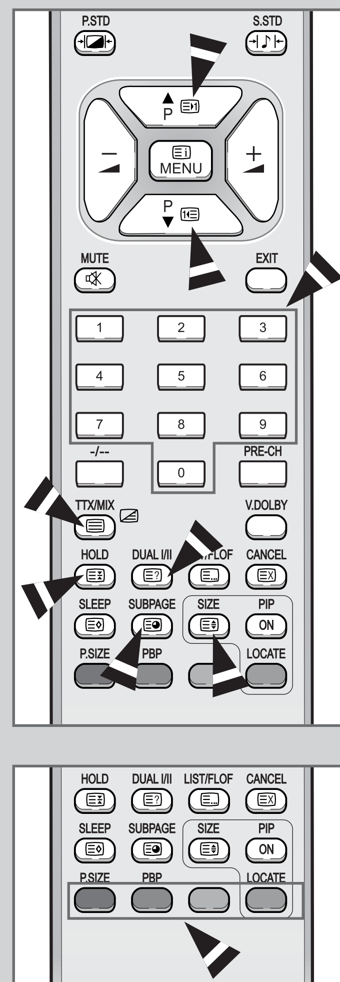
1 Nhap so trang co 3 chö so co trong noi dung teletext bang cach nhan nhöng nut so töông öng.

<u>Ket qua</u>: Bo ñem so trang hien hanh se tang len, sau ño trang ñöôc chon se hien thò.

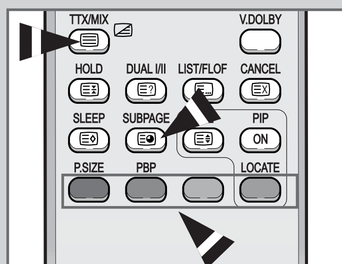
2 Neu trang ñöôc chon co lien ket vôi nhöng trang phu khac, cac trang nay se hien thò theo thö tö. Ñe tam döng tai mot trang nao ño, nhan nut **HOLD**. Ñe tiep tuc xem, nhan nut **HOLD** lan nöa.

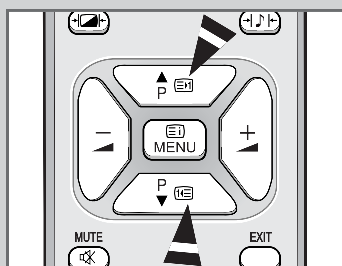
Cach dung cac tuy chon hien thò:

Ñe hien thò...	**Nhan...**
◆ Ca thong tin Teletext va chöông trình phat song thong thöông	**TTX/MIX**
◆ Van ban an (chang han nhö cac cau tra lôi cho tro chôi ño)	(mô ra)
◆ Man hình bình thöông	(mô ra) lan nöa
◆ Mot trang phu, bang cach nhap so trang gom 4 chö so	**SUBPAGE**
◆ Trang ke tiep	(trang tröôc)
◆ Trang tröôc ño	(trang sau)
◆ Gap ñoi cô chö trong:	**SIZE**
• Nöa tren man hình	• Mot lan
• Nöa döôi man hình	• Hai lan
◆ Man hình bình thöông	• Ba lan



Dung FLOF ñe chon mot trang





Cac chu ñe co trong nhöng trang Teletext ñöôc ma hoa bang mau; ban co the chon chu ñe bang cach nhan cac nut mau tren bo ñieu khien tö xa.

1 Hien thò trang muc luc Teletext bang cach nhan nut **TTX/MIX**.

2 Nhan nut mau töông öng vôi chu ñe ban muon chon; nhöng chu ñe co the chon xuat hien ô dong trang thai.

Ket qua: Trang ñöôc chon hien thò vôi nhöng thong tin bang mau khac ma ban co the chon theo cach töông tö.

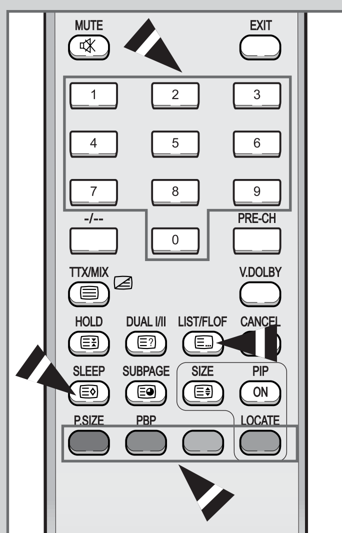
3 Ñe hien thò trang tröôc ño hoac trang tiep theo, nhan nut mau töông öng.

4 Ñe hien thò trang phu, xem cac böôc sau.

◆ Nhan nut **SUBPAGE** ().
Ket qua: Cac trang phu hien höu se hien thò.

◆ Chon trang phu can thiet. Ban co the cuon len xuong cac trang phu bang cach dung nut (P▼) hoac (P▲).

Löu trö cac trang Teletext



Ban co the löu toi ña 4 trang teletext ñe xem lai vao luc ranh.

1 Chon che ño LIST bang nut **LIST/FLOF** ().

Ket qua: Bon con so gom 3 chö so ñöôc hien thò vôi mau khac nhau.

➢ Nut **LIST/FLOF** () dung ñe chuyen qua lai giöa che ño LIST va FLOF.

2 Nhan nut mau töông öng vôi trang se ñöôc thay the.

3 Nhap vao so trang môi bang cac nut so.

4 Lap lai cac böôc **2** va **3** khi löu moi trang, moi lan dung mot nut mau khac nhau.

5 Nhan nut (store) cho ñen khi khoi töông öng nhap nhay.

Khac phuc sö co: Tröôc khi lien he vôi Nhan vien bao hanh

Tröôc khi lien he vôi bo phan hau mai cua Samsung, can thöc hien cac kiem tra ñôn gian sau. Neu ban khong the xö ly sö co theo chæ dan döôi ñay, hay ghi lai model va so xe-ri cua TV va lien he vôi Nha phan phoi tai ñòa phöông.

Khong co hình/tieng	◆ Kiem tra xem day ñien ña ñöôc cam vao o ñien chöa. ◆ Kiem tra xem ban ña nhan nut **Power** (⏻) chöa. ◆ Kiem tra viec cai ñat ño töông phan va ño sang. ◆ Kiem tra am löôïng.
Co hình nhöng khong co tieng	◆ Kiem tra am löôïng. ◆ Kiem tra xem co nhan nut **MUTE** tren bo ñieu khien tö xa khong.
Khong co hình hay chæ co hình ñen trang	◆ Chænh lai mau. ◆ Kiem tra viec chon he phat song co ñung khong.
Nhieu hình/tieng	◆ Kiem tra co thiet bò ñien tö nao khac gay nhieu cho TV khong. Neu co, di chuyen chung ra xa. ◆ Cam TV vao mot o ñien khac.
Hình anh bò nhoe hoac bò hat, am thanh meo mo	◆ Kiem tra höông, vò trí va ket noi ang-ten. Hien töông nhieu nay thöông xay ra khi dung ang-ten trong nha.
Bo ñieu khien tö xa bò truc trac	◆ Thay pin bo ñieu khien tö xa. ◆ Lau sach canh tren cua bo ñieu khien tö xa (khu vöc thu phat song). ◆ Kiem tra cac ñiem noi cua pin.
Xuat hien thong bao "Check Signal Cable" (Kiem tra cap tín hieu).	◆ Kiem tra xem cap tín hieu ñöôc ket noi tot vôi PC hoac cac nguon video chöa. ◆ Kiem tra xem PC va cac thiet bò video nguon ña ñöôc bat chöa.
Ô che ño PC, xuat hien thong bao "Not Supported Mode"	◆ Kiem tra ño phan giai toi ña va tan so cua bo töông hôp video. ◆ So sanh nhöng gia trò nay vôi dö lieu trong Display Modes Timing Chart (Sô ño ñònh giô cac kieu hien thò)
Ô che ño PC, xuat hien cac soc ngang hoac doc gay nhay, tröôt hình.	◆ Ñieu chænh chöc nang Coarse va Fine.
Ô che ño PC, man hình ô trang thai ñen va ñen bao ñien bò mô lau hoac nhap nhay moi 0,5 giay hoac 1 giay	◆ TV ñang sö dung he thong quan ly nguon cua no. ◆ Di chuyen con chuot may tính hoac an mot phím tren ban phím.
Ô che ño PC, hình anh khong on ñònh va co the bò rung.	◆ Kiem tra xem ño phan giai man hình va tan so cua may tính hoac card man hình co töông thích vôi che ño hien thò cua TV khong. Tren PC kiem tra: Control Panel, Display, Settings. ◆ Neu ña cai ñat ñung, dung chöông trình tien ích cua may tính ñe thay ñoi cai ñat man hình. ➢ TV cua ban ho trô cac chöc nang quet ña chieu trong pham vi tan so sau: **Tan so quet ngang:** 30 ~ 85 kHz **Tan so quet doc:** 55 ~ 85 Hz
Ô che ño PC, hình anh khong can ô giöa.	◆ Chænh vò trí quet ngang/doc.
Ban can trình ñieu khien man hình.	◆ Tai ve trình ñieu khien tö cac trang Web: **http://www.samsungusa.com/monitor** **http://www.samsung-monitor.com**

Cac thong so ky thuat va moi tröông

Kieu may	SyncMaster 211MP	SyncMaster 241MP
Panel		
Kích thôôc	21,3'' theo ñôông cheo	24,06'' theo ñôông cheo
Kích thôôc hien thò	432 (Ngang) X 324 (Doc) mm	518,4 (Ngang) X 324 (Doc) mm
Loai	man hình a-si TFT ma tran ñong	
Dien tích ñiem anh	0,27 (Ngang) X 0,27 (Doc) mm	
Goc nhìn	80/80/80/80 (L/R/T/B)	
Tan so		
Quet ngang	30 ~ 85 kHz	
Quet doc	55 ~ 85 Hz	
Mau hien thò	16.777.216 mau	
Ño phan giai		
Che ño toi ña	1600 x 1200 @ 60 Hz	1920 x 1200 @ 60 Hz
Tín hieu vao		
Ñong bo	H/V Rieng le, TTL, P. hoac N. H/V Tong hôp, TTL, P. hoac N. Sync-on-green 0,3 Vp-p, N.	
Tín hieu hình	0,7 Vp-p @ 75 ohm	
TV/Video		
He mau	PAL, SECAM, NTSC4,43	
He tieng	B/G, D/K, I, L, L'	
Dang hình anh	CVBS, S-VHS	
Scart		
Ñau vao/ra hình	1,0 Vp-p @ 75 ohm	
Ñau vao RGB	0,7 Vp-p @ 75 ohm	
Ñau vao/ra tieng	500mVrms	
He mau	PAL	
Nguon ñien		
Ngo vao	100 - 240 V (50Hz / 60Hz)	
Ngo ra	DC 14V/8A	
Cong suat tieu thu		
Toi ña	110 W	120 W
Tiet kiem	< 8 W	
Kích thôôc (Rong x Day x Cao)		
Dang man hình	531,5 x 67,5 x 422	618 x 67,5 x 422
Co ñe	578,7 x 218,2 x 472	665,2 x 218,2 x 472
Ñieu kien moi tröông		
Nhiet ño lam viec	50 °F ñen 104 °F (10 °C to 40 °C)	
Ño am lam viec	10% ñen 80%	
Nhiet ño nôi löu giö	- 13 °F ñen 113 °F (-25 °C to 45 °C)	
Ño am nôi löu giö	5% ñen 95%	
Cac thanh phan am thanh		
Ñau vao tieng	RCA Jack (L, R), 0,5Vrms (-9dB)	
Ñau vao tieng (PC)	3,5 Stereo Jack, 0,5Vrms (-9dB)	
Ñau ra tieng	RCA Jack (L, R), 0,5Vrms (-9dB)	
Ñau ra loa	Ñau ra toi ña 5W (3,5 Stereo Jack, 2)	
Ñau ra headphone	Ñau ra toi ña 10W (3,5 Stereo Jack, 32)	
Tan so	RF: 80Hz ~ 15kHz (at- 3dB)	
Phan hoi	A/V: 80Hz ~ 20kHz (at- 3dB)	

– AFTER SALES SERVICE

– Do not hesitate to contact your retailer or service agent if a change in the performance of your product indicates that a faulty condition may be present.



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